POOR LEGIBILITY

ONE OR MORE PAGES IN THIS DOCUMENT ARE DIFFICULT TO READ
DUE TO THE QUALITY OF THE ORIGINAL

SY G92-0257 105.0263

Pacific Operations
Los Angeles

5785 Corporate Avenue
Suite 150
Cypress, CA 90630
(714) 229-4806
Fax (714) 229-4805

Clayton
ENVIRONMENTAL
CONSULTANTS

May 11, 1992

Mr. Samuel Yu
Environmental Specialist
CRWQCB, LOS ANGELES REGION
101 Centre Plaza Drive
Monterey Park, CA 91754-2156

Clayton Project No. 37861.00

Subject: Revision of Soil Remediation for Sump and Clarifier Report Dated January 3, 1992, Clayton Project No. 37861.00

Dear Mr. Yu:

Enclosed please find a revised copy of the subject report. The revisions made are in accordance to correspondence from you to Mr. Chet Young dated March 13, 1992. The revisions are as follows:

1. Section 2.2.3, Page 8, Clarification in Paragraph 1
2. Borehole Logs for BH-14 through BH-18 are located in Appendix D
3. Soil sample was not collected from 5 feet deep in BH-14 because of auger refusal (Revised Figure 4)

Sincerely,

G. K. Romine

Guy Romine
Geologist
Environmental Engineering

Reviewed by:

David H. Randell

David H. Randell
Manager, Environmental Engineering
Pacific Operations

GR/hls

cc: Martin Casper, Thermadyne
Jaswant Singh, Ph.D., Director, Pacific Operations

Pacific Operations
Los Angeles

5785 Corporate Avenue
Suite 150
Cypress, CA 90630
(714) 229-4806
Fax (714) 229-4805

Clayton
ENVIRONMENTAL
CONSULTANTS

Soil Remediation for Clarifier and Sump
at
Stoody Company
City of Industry, California

Clayton Project No. 37861.00

May 11, 1992

CONTENTS

Section **Page**

Appendices

1.0 INTRODUCTION

Stoody Company Inc. retained Clayton Environmental Consultants Inc. on September 19, 1991, to complete the approved Remedial Action Plan (RAP) to perform soil remediation associated with the removal of a clarifier and sump at the Stoody facility in the City of Industry, California (Figure 1, Appendix A). This work was requested by the California Regional Water Quality Control Board (CRWQCB) in a letter dated July 3, 1991. The RAP was revised according to CRWQCB letter request dated August 22, 1991.

The remediation activities included the removal of the industrial clarifier and a sump, and the excavation of contaminated soil in both these areas. This work also included a limited shallow soil investigation of a portion of the rear of the Stoody facility (Figure 2, Appendix A).

1.1 OBJECTIVE

Clayton's objectives were to complete a soil remediation program that is acceptable to the CRWQCB for: (1) the removal of the clarifier and a sufficient volume of contaminated soil in the area of the clarifier, and (2) removal of the sump and a sufficient volume of soil from the area of the sump. The requirements of the CRWQCB were specified in correspondence dated July 3, 1991, August 22, 1991, September 11, 1991, and October 29, 1991, to Stoody Company.

1.2 SCOPE OF WORK

Clayton performed the following scope of work to accomplish the objectives for the soil remediation:

A. Clarifier

- Monitored and documented the rerouting of non-industrial waste water away from the clarifier
- Emptied and steam cleaned the clarifier
- Excavated and removed the clarifier
- Excavated contaminated soil in the area of the clarifier with a backhoe to a depth of 17 feet
- Placed excavated soil under a plastic cover for future disposal by Stoody Company

- Monitored vapors from excavation and spoils piles to comply with South Coast Air Quality Management District (SCAQMD) Rule 1166
- Collected soil samples from the pit after excavating
- Analyzed soil samples in a laboratory certified by the State of California, Department of Health Services

B. **Sump**

- Excavated and removed the sump
- Excavated contaminated soil in the area of the sump with a backhoe to a depth of 12 feet
- Placed excavated soil under a plastic cover for future disposal by Stoody Company
- Monitored vapors from excavation and spoils piles to comply with South Coast Air Quality Management District (SCAQMD) Rule 1166
- Collected soil samples from the pit after excavating
- Analyzed soil samples in a laboratory certified by the State of California, Department of Health Services
- Prepared and submitted a report

C. **Shallow Soil Investigation**

- Drilled five soil boreholes to a depth of 5 feet
- Collected two samples per borehole for total recoverable petroleum hydrocarbons (TRPH), volatile organic compounds (VOC), and metals analyses

Backfill and compact excavations with imported fill material after confirmatory soil samples demonstrate that adequate cleanup has been achieved (not completed as of the date of this writing).

1.3 BACKGROUND

On March 16, 1988, the Stoody Company facility was inspected by California Regional Water Quality Control Board (CRWQCB) staff member Mr. Dainis Kleinbergs. As a result of that inspection, Stoody was directed to develop a general housekeeping plan and to conduct an initial subsurface soil investigation at their facility.

In June of 1988, Clayton Environmental Consultants, Inc. was retained by Stoody to prepare the general housekeeping plan and the initial subsurface soil investigation workplan. On July 19, 1988, Clayton obtained approval of the proposed housekeeping plan and initial subsurface investigation workplan from Mr. Roy Sakaida of the CRWQCB. The initial subsurface investigation was implemented in July 1988. Clayton's final report of that investigation was presented to the CRWQCB on October 19, 1988. Included with the soil investigation report was Stoody's proposed groundwater monitoring workplan, as required by the CRWQCB.

On July 21, 1988, Clayton Environmental Consultants performed a site assessment at the Stoody Company. Five soil boreholes (SB-1 through SB-5; Figure 2) were drilled to assess a chemical waste storage area, a chemical waste storage sump area, an electrical transformer area, and a general storage area. The boreholes were drilled to 10 feet below ground surface and sampled. Laboratory analyses revealed the presence of total petroleum hydrocarbons (TPH), and a number of volatile organic compounds (VOCs).

Clayton began implementation of an initial groundwater monitoring work plan in January 1989, after receiving approval from both the CRWQCB and Stoody Company. The report was sent to the CRWQCB after Stoody's review on June 22, 1990. Quarterly Groundwater Reports followed in September 1989, December 1989, and June 1990.

On January 23, 1989, Clayton advanced the previously drilled Borehole SB-5 deeper and constructed a groundwater monitoring well (MW) in it. Two other boreholes, SB-6 and SB-7, were drilled and sampled and groundwater monitoring wells were constructed in them. SB-6 is now known as MW-1. SB-7 is now known as MW-2. SB-5 is now known as MW-3. On March 6, 1989, a fourth groundwater monitoring well was installed upgradient of the other three wells (MW-4).

Laboratory analysis of the soil samples from MW-1 through MW-4 detected no TPH. The laboratory reported the detection of acetone and methylene chloride in the soil samples from MW-4, the upgradient well.

Laboratory analysis of the water samples from MW-1 through MW-4 detected the presence of eight different VOCs. The presence of those VOCs has stimulated a quarterly groundwater monitoring program by the CRWQCB separate from the apparent soil contamination concerns.

In January 1990, Clayton was retained to sample and visually inspect the clarifier and to assess subsurface soil conditions adjacent to the clarifier and in the chemical storage area. Both tasks were designed to meet the CRWQCB's request for additional investigation.

On January 18 and 19, 1990, Clayton performed an additional site assessment at Stoody Company. Three 10-foot boreholes (SB-1 through SB-3) were drilled and sampled in the chemical storage area and two boreholes (SB-4 through SB-5) were drilled and sampled near the industrial waste clarifier.

The laboratory reported the detection of five VOCs in the soil samples collected in the boreholes in the chemical storage area. The laboratory reported the detection of eight VOCs in the soil samples collected from the boreholes near the clarifier, as well as TPH.

On December 26, 1990, Ms. Nicole Jafari, Industrial Engineer with Stoody Company, authorized Clayton to perform a quarterly groundwater monitoring program for 1991 as required by the CRWQCB. Quarterly groundwater reports followed in January 1991, June 1991, September 1991, and December 1991.

On January 31 and February 1, 1991, Clayton performed additional site assessment work at Stoody Company. Four exploratory boreholes, BH-10 through BH-13, and one additional groundwater monitoring well, MW-5, were drilled. Two of the boreholes, BH-10 and BH-11, were drilled in the area of the industrial clarifier and MW-5 was installed just downgradient of the clarifier. Boreholes BH-12 and BH-13 were drilled in the area of the sump in the chemical storage area.

The laboratory reported the detection of five different VOCs, TPH, and three metals in the soil samples collected from the boreholes near the clarifier. The laboratory reported the detection of four VOCs, TPH, and three metals in the soil samples collected from the soil boreholes near the sump.

During August 1991, Clayton completed a RAP that detailed the removal of the sump and clarifier in accordance with the CRWQCB requirements stated in their July 3, 1991, letter to Stoody. Implementation of the RAP began on November 4, 1991.

Correspondence associated with the development of the RAP and completion of this project is located in Appendix B.

1.4 GEOLOGIC SETTING

The site is located near the base of the Puente Hills in the southeastern San Gabriel Valley. The alluvium below the site is of Holocene age (11,000 years old) and consists of nonmarine deposits of silt, clay, and sand. These sediments are erosional deposits from the nearby Puente Hills and San Jose Hills. The alluvium was deposited as fluvial (stream and alluvial fan) sediments. According to the U.S. Department of Agriculture Soil Conservation Service, the original surficial deposits (soil) of this area generally consist of Hanford Association, a sandy loam.

Hydrologically, the site is within the San Gabriel Valley Groundwater Basin. Groundwater in the basin generally flows from surrounding hills and mountains towards the valley center, with an overall flow to the southwest. The principal surface water drainage in the San Gabriel Valley is the San Gabriel River and San Jose Creek. The site lies about 1/2 mile south of the westerly flowing San Jose Creek. The Creek joins the San Gabriel River approximately 4 miles west of the subject property. The depth to groundwater at the site is 28 to 32 feet below ground level, based on measurements taken from monitoring wells on site and is generally flowing in a westerly direction.

2.0 REMEDIATION ACTIVITIES

Clayton's remediation consisted of three distinct activities: field procedures, field work, and laboratory analyses. These activities were performed to meet the existing site constraints, the remediation objectives, and the requirements of the CRWQCB.

2.1 FIELD PROCEDURES

Clayton used specific field procedures to monitor field activities during remediation. These procedures were used for excavating the contaminated soil, sampling the excavation limits, and analyzing the soil samples.

2.1.1 Excavating Procedures

Clayton directed a backhoe with an extension arm to excavate the soil during the excavation procedures. As the soil was removed from the ground it was placed near the excavation area on plastic sheeting, and on the existing asphalt area. When enough soil had been excavated to meet the objectives of the RAP, the spoils pile from the excavation was covered with plastic for disposal by Stoody Company.

2.1.2 Soil Sampling Procedures

Soil samples were collected using a drive sampler with extension rods to collect samples from the excavation bottom and sidewalls and from the hand-augered boreholes. Stainless steel cylinders (2.0-inch diameter and 6-inch length) were driven into the soil. The ends were covered with aluminum foil and polyethylene caps. The caps were sealed to each end of the cylinder with electrical tape and then marked for identification. Samples were placed in self-sealing plastic bags and stored under Blue Ice™ in a portable ice chest. No headspace was present in the sample cylinders when the samples were collected. The samples were then transported to a California state-certified laboratory for analysis. Standard chain-of-custody procedures were followed.

Clayton evaluated excavated soils for VOCs in the field using an organic vapor analysis (OVA) headspace technique. Selected samples of soil from the backhoe bucket were

placed in Ziploc™ bags and allowed to volatilize in direct sunlight for a minimum of 30 minutes. A sensor tip of a photoionization detector (PID) was then inserted through the plastic bag. The concentration of VOCs in the plastic bag was then measured with the PID meter and recorded in the field notes. The PID meter was also used to measure breathing zone and excavation atmosphere concentrations of VOCs during the excavating activities.

The excavation and soil samples were described by a Clayton Geologist under the supervision of a California Registered Geologist using the Unified Soil Classification System (USCS). Soil sampling and drilling techniques generally follow Department of Health Services, California Site Mitigation Decision Tree guidelines.

Drill cuttings were placed with excavated soil from the clarifier for disposal by Stoody. The boreholes were backfilled to grade with a cement-bentonite grout mixture and covered with asphalt patch.

2.2 FIELD WORK

Field work for the remediation consisted of:

- Removing and excavating soil from the former sump and clarifier areas
- Collecting soil samples from the excavations bottom and sidewalls and from five shallow boreholes for laboratory analyses
- Stockpiling excavated soils for disposal by Stoody Company
- Backfilling and compacting the excavation (not yet completed)

2.2.1 Clarifier

On November 4, through November 6, 1991, Clayton excavated around and removed the industrial waste water clarifier from the ground. The concrete clarifier was broken up in the process of removal and hauled to a solid waste disposal facility. The soil under and around the clarifier was found to be contaminated. The soil under the clarifier was excavated with a backhoe to a depth of 17 feet. Approximately 120 cubic yards of soil was stockpiled near the excavation, awaiting disposal to a hazardous waste facility. During the removal of the clarifier, a sanitary sewer line was unavoidably damaged to allow for removal of the main body of the clarifier. A temporary sewer line was installed after the initial excavation was completed. The excavation created was rectangular in shape, and was from 15 feet to 17.5 feet in depth and approximately 21 feet by 16 feet at its maximum width and length (Figure 3, Appendix A).

On November 4, 1991, shortly after the excavating began, a sewer pipe was broken and the excavation procedures were delayed on the clarifier. At this time excavation work moved over to the sump area. By the end of the second day the pipe was repaired and the excavation was approximately 16 feet long, 20 feet wide, and 17 feet deep. Eight soil samples, CL-1-B through CL-8-SW, were collected from the excavation sidewalls (CL-3-S through CL-8-SW) and bottom (CL-1-B and CL-2-B), as shown in Figure 3, and preserved for laboratory analyses. The soil samples collected from the sidewalls were collected from depths of 9 to 12 feet (Figure 3). In addition, a soil sample was collected from the newly created spoils pile. The sample collected from the spoils pile was analyzed for profiling purposes to evaluate disposal methods for the soil.

The northwestern boundary of the excavation was stopped at groundwater monitoring well MW-5. During the last site assessment, high concentrations of TPH were identified by the laboratory in the soil sample of MW-5 collected at depths of 5 and 10 feet. A 12-Kilovolt electrical line stopped additional excavation to the south and a high pressure fire suppression line stopped excavation further to the north.

On November 12, 1991, the soil samples submitted for analyses from the clarifier excavation indicated high levels of total recoverable petroleum hydrocarbons (TRPH) and acetone existed in the sidewalls and bottom of the excavation. Based on the remediation action levels cited by the CRWQCB, TRPH levels can not exceed 10.0 parts per million (ppm). The concentration of TRPH averaged 13,000 ppm for the eight samples collected.

2.2.2 Sump

On November 4, and November 5, 1991, Clayton excavated around and removed the waste water sump in the former chemical storage area. The concrete sump was broken up in the process of removal and hauled to B.K.K. solid waste disposal facility. The soil under and around the sump was found to be contaminated. The soil under the sump was excavated with a backhoe to a depth of 11.0 feet. The removed soil was stock-piled near the excavation, awaiting disposal to a hazardous waste facility. Approximately 80 additional cubic yards of soil is now stockpiled near that excavation, awaiting disposal to a hazardous waste facility. The excavation created was irregular in shape but was from 10 feet to 11 feet in depth and approximately 12 feet by 16 feet at its maximum width and length (Figure 4, Appendix A).

Five soil samples, SP-1-B through SP-5-E, were collected from the excavation sidewalls (SP-2-S through SP-5-E) and bottom (SP-1-B), as shown in Figure 4, and preserved for laboratory analyses. The soil samples collected from the sidewalls were collected from depths of 5 to 8 feet (Figure 4). In addition, a soil sample was collected from the newly created spoils pile. The sample collected from the spoils pile

was laboratory analyzed for profiling purposes to evaluate disposal methods for the soil.

On November 12, 1991, the soil samples submitted for analysis from the sump excavation indicated that slightly elevated levels of total recoverable petroleum hydrocarbons (TRPH), tetrachloroethene, and acetone existed in the sidewalls and bottom of the excavation. Based on the remediation action levels cited by the CRWQCB, contaminant levels can not exceed specified clean up levels. These results indicated that unacceptably high levels of contaminants still remained in the soil surrounding and below the excavation.

On December 3, 1991, Clayton excavated some additional soil from the existing sump excavation from areas of known soil contamination. The new excavation created was irregular in shape but was from 10 feet to 14 feet in depth and approximately 15 feet by 20 feet at its maximum width and length (Figure 4).

Three soil samples, SP-6-B through SP-9-E, were collected from the excavation side walls (SP-7-N, SP-9-E) and bottom (SP-6-B), as shown in Figure 4, and preserved for laboratory analyses. The soil samples collected from the sidewalls were collected from depths of 5 to 14 feet (Figure 4). SP-8-P is a soil pile sample collected for profiling the soil pile for disposal. Laboratory analysis of SP-8-P revealed a TRPH level of 5,600 ppm and detected concentrations of four VOC compounds. The laboratory results now indicate that no additional excavation is necessary. The laboratory results are summarized in Appendix A, Tables 1 and 2.

2.2.3 Shallow Soil Investigation

Clayton collected two soil samples (1-foot and 5-foot depths) from each of five soil boreholes (BH-14 through BH-18, except BH-14, where only a 1-foot sample was collected due to auger refusal), as requested by the CRWQCB during their August 5, 1991, inspection at the Stoody facility (Figure 4). The soil samples were analyzed for the presence of TRPH, VOCs, and selected metals following the same laboratory protocol as samples for the clarifier and sump areas. The laboratory analyses reported low level detections of Freon 113, tetrachloroethene, and TRPH however, these detections were below the established clean up levels agreed to in the RAP.

2.3 ANALYTICAL METHODS

Laboratory analyses of the soil samples from the excavation limits, spoils pile, and backfill (not completed) included:

- EPA Method 418.1 for TRPH
- EPA Method 8240 for VOCs

- Soluble threshold limit concentration (STLC) Metals

- Total threshold limit concentration (TTLC) Metals for copper, nickel, and chromium VI

All laboratory analyses were performed at Clayton's laboratory, (certified by the State of California, Department of Health Services)in Pleasanton, California.

Laboratory analyses were completed within seven days of sample collection and were conducted under standard chain-of-custody procedures. Laboratory analytical results are summarized in Tables 1 and 2 in Appendix A. Laboratory reports, along with the chain-of custody forms, are provided in Appendix D.

3.0 REMEDIATION RESULTS

3.1 CLARIFIER

The soil samples submitted for analyses from the excavation indicated that high levels of TPH and acetone existed in the sidewalls and bottom of the excavation. Based on the remediation action levels cited by the CRWQCB, TRPH levels can not exceed 10.0 parts per million (ppm). The concentration of TRPH averaged 13,000 ppm for the eight samples collected. These results indicate that unacceptably high levels of TRPH still remain in the soil surrounding and below the excavation.

The extent of contaminated soil near the clarifier remains partially defined at this time; however, it appears to extend significantly further away from the excavation and deeper than the existing 17.0 foot depth. Estimates of the total volume of contaminated soil are difficult to make with the data collected, because of subsurface site constraints, but could range between an additional 300 to 500 cubic yards.

The excavation of additional contaminated soil is complicated by the underground utility lines that lie adjacent to the excavation. A 12-Kilovolt electrical line and a high pressure fire suppression line (water) will require rerouting before further excavation can be done. The rerouting of these utilities will take some time to reschedule. A further complication would be if the contamination has spread under the Stoody building.

3.2 SUMP

The soil samples submitted for analyses from the sump excavation indicated that low levels of TRPH, tetrachloroethene and acetone existed in the sidewalls and bottom of the excavation. Based on the remediation action levels cited by the CRWQCB, TRPH

levels can not exceed 10.0 parts per million (ppm). Sample SP-4-N had a TRPH concentration of 180 ppm.

Based on these laboratory results a second episode of soil removal was undertaken on December 3, 1991. The three samples collected (SP-6-N, SP-7-NE, P-9-NW) reported levels of contaminants below the specified clean-up guidelines. The high-level concentrations of contaminants detected in the former sump area appear to have been satisfactorily remediated and a sufficient volume of contaminated soil has been removed.

3.3 SHALLOW SOIL INVESTIGATION

The soil samples submitted for analyses from the five boreholes (BH-14 through BH-18) indicated low level detections of TRPH, freon 113, tetrachloroethene, and metals. Based on the clean-up guidelines established in the RAP these detections were below the required clean up levels, with the exception of a TRPH concentration of 210 ppm in Sample BH-16-1 collected at 1 foot. It is likely that this detection is associated with TPH in the asphalt emulsion or cutter stock used in the asphalt pavement that covers the rear of the facility, because the 5-foot sample reported no detection of TRPH. The analytical results appear to support that no further action is required.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on our findings during the current remediation activities and our past investigations at the site, Clayton concludes the following:

A. Clarifier

- The analytical results indicate that unacceptably high levels of TRPH still exist in the soil surrounding and below the excavation. CRWQCB personnel will likely require further excavation to remove soil containing TRPH at levels in excess of 10.0 ppm. Clayton recommends the excavation of additional contaminated soil from the former clarifier area including the rerouting of existing underground utilities. This excavation work should be conducted under a Remedial Action Plan similar to the current plan used for this phase of remediation.

B. Sump

- Laboratory analyses of the soil samples taken from the excavation sidewalls and the excavation bottom indicate the absence of TPH and VOCs. It is Clayton's opinion that the soil remediation is satisfactory and that the soil remediation near the sump should be discontinued and the excavation backfilled as soon as possible.

C. Shallow Soil Investigation

- Laboratory analyses of the soil samples taken from the boreholes indicate the absence of TPH and VOCs. It is Clayton's opinion that no further work is warranted at this time.

5.0 LIMITATIONS

The information and opinions rendered in this report are exclusively for use by Stoody Company. Clayton Environmental Consultants, Inc. will not distribute this report without their consent except as may be required by law or court order. The information and opinions expressed in this report are given in response to our limited assignment and should be evaluated and implemented only in light of that assignment. We accept responsibility for the competent performance of our duties in executing the assignment and preparing this report in accordance with the normal standards of our profession but disclaim any responsibility for consequential damages.

This report submitted by:

Guy K. Romine
Geologist

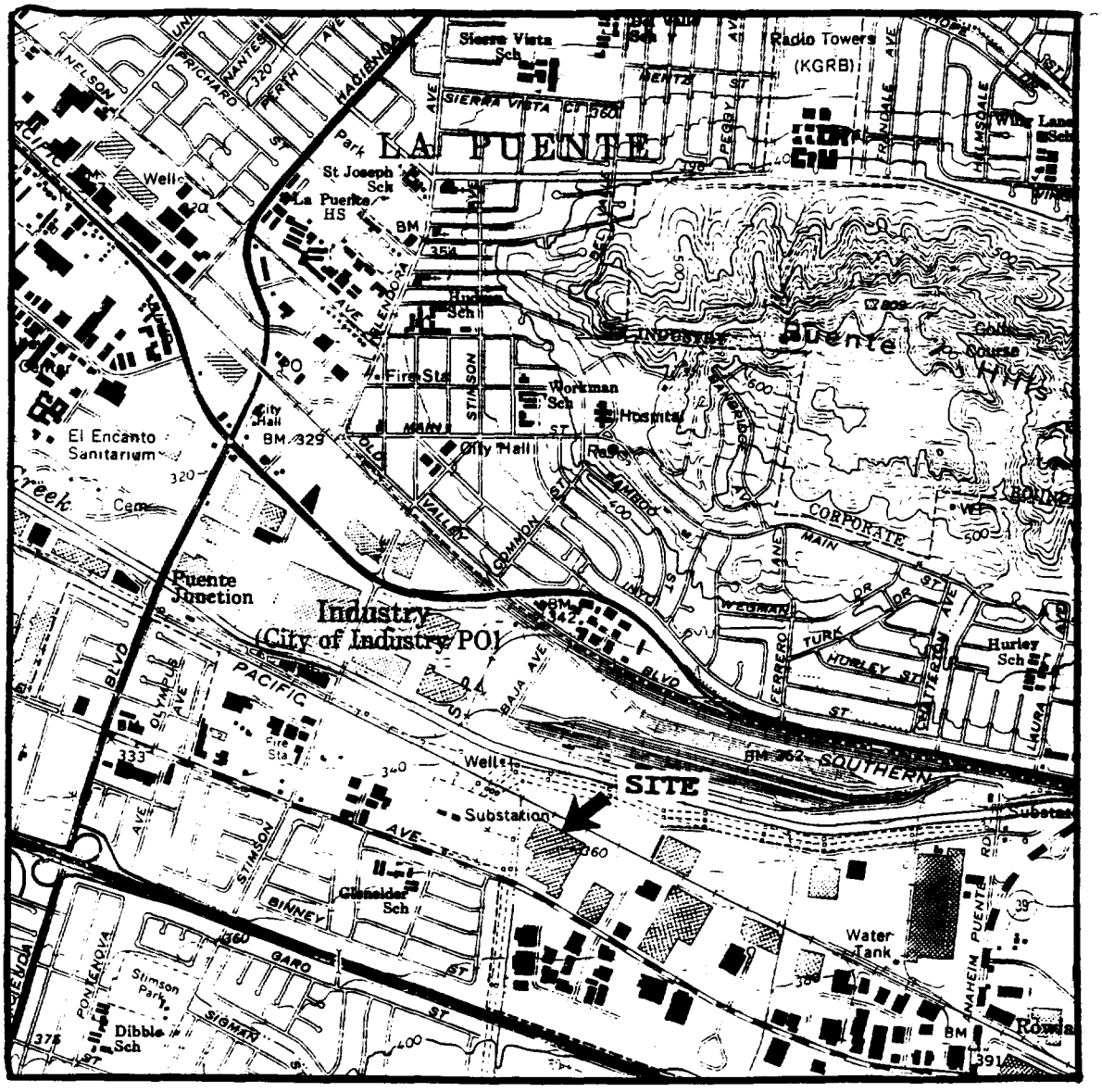
This report reviewed by:

David H. Randell
Registered Geologist, No. 3977
Manager, Environmental Engineering
Pacific Operations

May 11, 1992

APPENDIX A

TABLES AND FIGURES



BASEMAP TAKEN FROM USGS 1966, BALDWIN PARK, CALIFORNIA QUADRANGLE, 7.5 MINUTE SERIES (TOPOGRAPHIC), PHOTOREVISED 1981.

QUADRANGLE LOCATION

SCALE 1:24 000

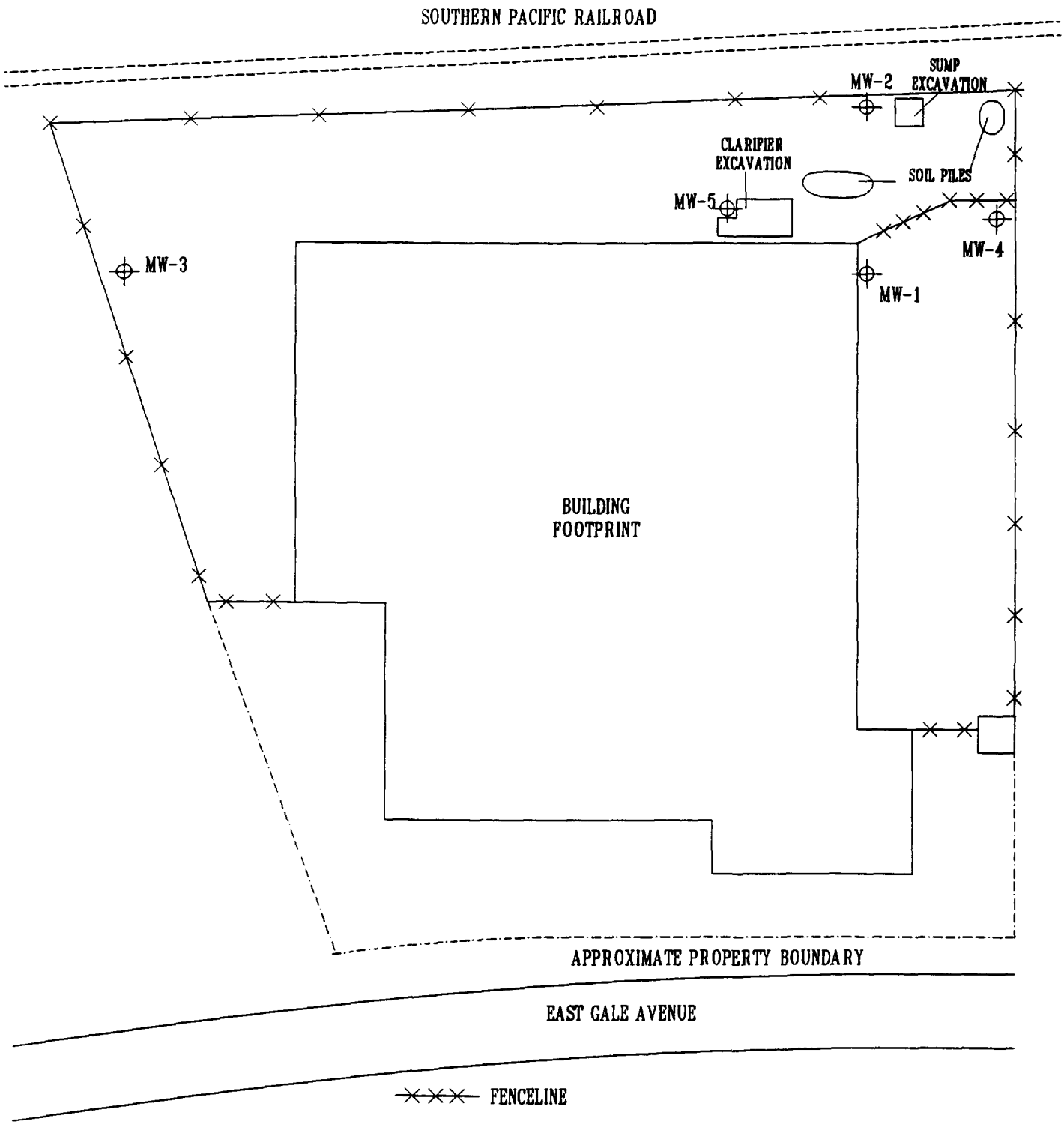
1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 5 0 1 KILOMETER

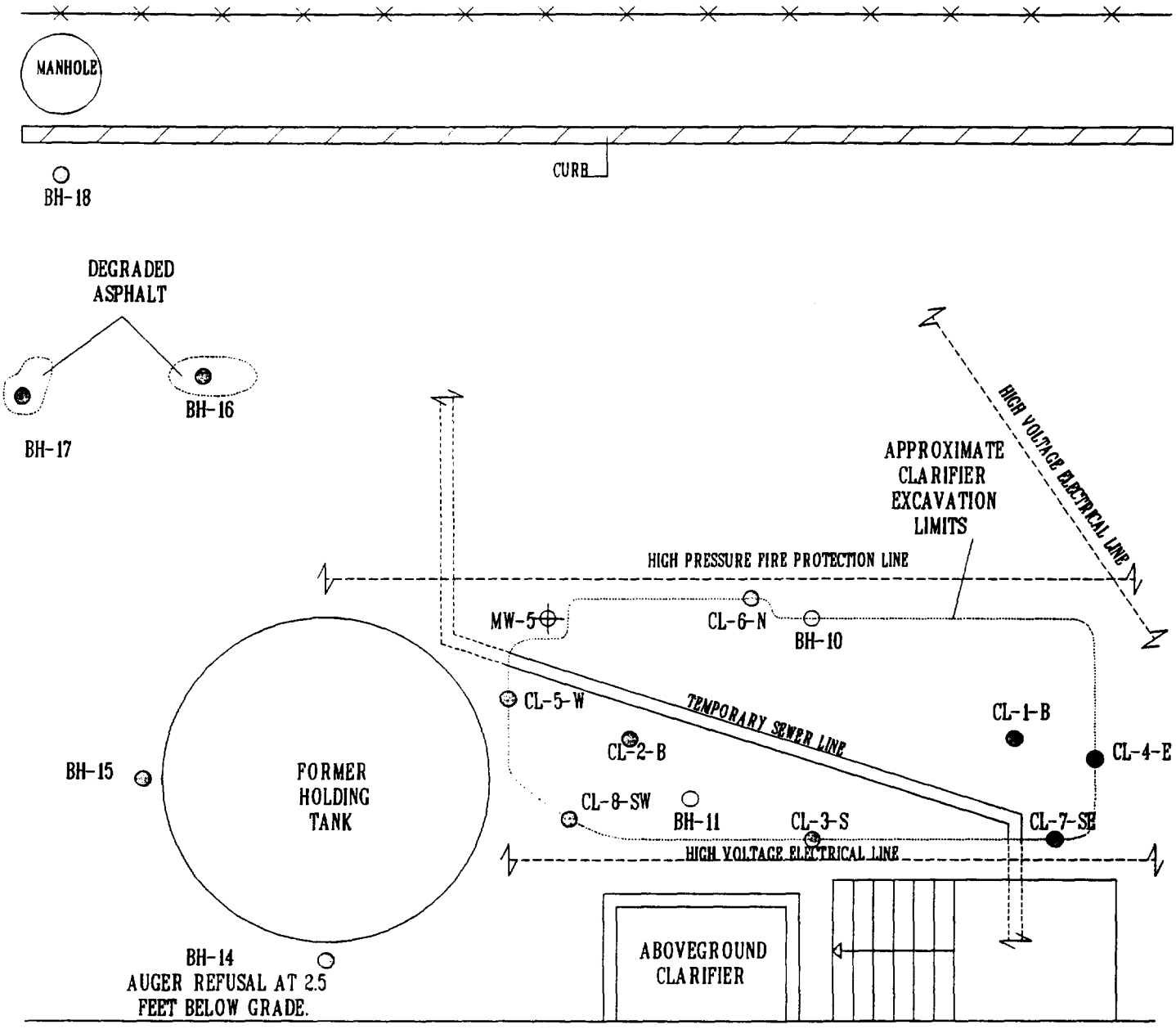
CONTOUR INTERVAL 20 FEET

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.	FIGURE
GENERAL SITE LOCATION AND TOPOGRAPHY	1
STOODY COMPANY INDUSTRY, CALIFORNIA — PROJECT NO. 37861.00	1/92



DRAWING NOT TO SCALE

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.	FIGURE
SITE LOCATION MAP	2
STOODY COMPANY INDUSTRY, CALIFORNIA — PROJECT NO. 37861.00	1/92

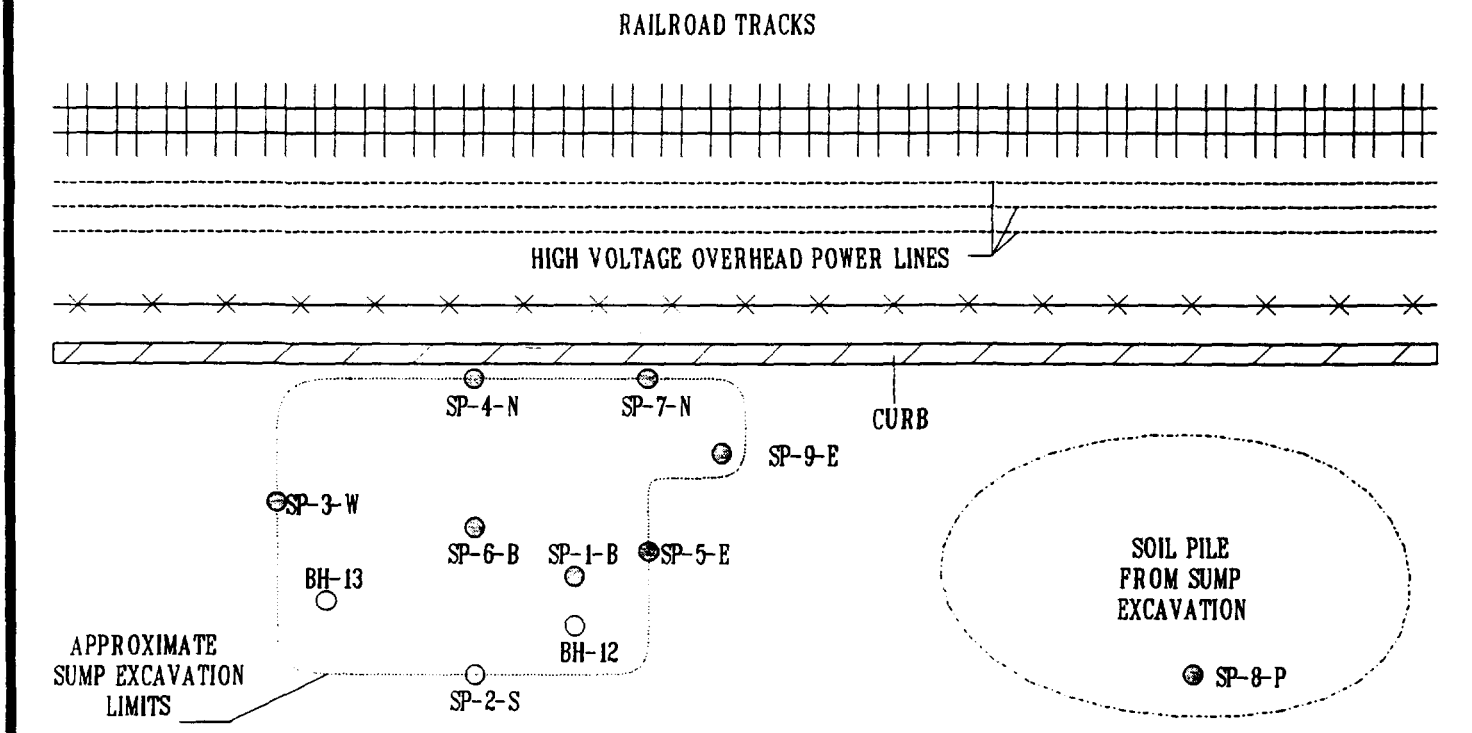


- APPROXIMATE BOREHOLE LOCATION (11/91)
- APPROXIMATE BOREHOLE LOCATION (2/91)
- FENCE LINE

DRAWING NOT TO SCALE

NORTH

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.	FIGURE
CLARIFIER LOCATION MAP	3
STOODY COMPANY INDUSTRY, CALIFORNIA	PROJECT NO. 37861.00
	1/92



APPROXIMATE BOREHOLE LOCATION (11/91)

APPROXIMATE BOREHOLE LOCATION (2/91)

FENCE LINE

DRAWING NOT TO SCALE

NORTH

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.	FIGURE
SUMP LOCATION MAP	4
STOODY COMPANY INDUSTRY, CALIFORNIA — PROJECT NO. 37861.00	1/92

Table 1
Summary Table of Results for EPA Method 8240 and 418.1 (Concentrations in mg/kg)
for Volatile Organic Compounds
at
Stoody Company
City of Industry, California
Clayton Project No. 37861.00
Sampling Date: November 6, 1991

Soil Sample No.	TRPH	Toluene	Total Xylene	Acetone	2-Butanone	4-methyl-2-Pentanone	Tetra-Chloro-ethene	STLC Metal Above Threshold Limit	Copper	Hexavalent Chromium	Nickel
Cleanup Level	10.0	1.0	17.5	NA			0.050		10.0	0.5	1.5
SP-1-B	<10	ND	ND	ND	ND	ND	0.011	ND	23	<0.1	20
SP-2-S	<10	0.004	ND	ND	ND	ND	0.017	ND	29	<0.1	24
SP-3-W	<10	ND	ND	ND	ND	ND	0.005	ND	30	<0.1	26
SP-4-N	180	ND	ND	0.050	ND	ND	0.004	ND	23	<0.1	20
SP-5-E	<10	ND	ND	0.080	ND	ND	0.008	ND	28	<0.1	24
METHOD BLANK	<10	ND	ND	ND	ND	ND	ND	ND	<1	<0.1	<1
CL-1-B	3700	0.020	0.090	0.290	0.020	0.030	ND	ND	19	<0.1	19
CL-2-B	<10	0.002	ND	0.029	0.020	0.030	ND	ND	21	<0.1	19
CL-3-S	3400	0.013	0.005	ND	ND	ND	0.005	ND	29	<0.1	26
CL-4-E	25000	0.150	0.030	0.200	ND	ND	ND	ND	29	<0.1	160
CL-5-W	16000	0.040	0.040	0.200	ND	ND	ND	ND	25	<0.1	22
CL-6-N	21000	0.051	0.038	0.120	ND	ND	0.017	ND	24	<0.1	22

Table 1 (Continued)
Summary Table of Results for EPA Method 8240 and 418.1 (Concentrations in mg/kg)
for Volatile Organic Compounds
at
Stoody Company
City of Industry, California
Clayton Project No. 37861.00
Sampling Date: November 6, 1991

Soil Sample No.	TRPH	Toluene	Total Xylene	Acetone	2-Butanone	4-methyl-2-Pentanone	Tetra-Chloro-ethene	STLC Metal Above Threshold Limit	Copper	Hexavalent Chromium	Nickel
/CL-7-SE	15000	ND	0.070	0.020	ND	ND	0.030	ND	24	<0.1	180
CL-8-SW	18000	0.060	0.060	0.400	ND	ND	0.030	ND	28	<0.1	21
METHOD BLANK	ND	ND	ND	ND	ND	ND	ND	ND	<1	<0.1	<1

ND: Not detected at or above limit of detection
mg/kg: Milligrams per kilogram (generally equivalent to parts per million)
NA: Information not available
<: Not detected at or above limit of detection

Table 2
Summary Table of Results for EPA Method 8240, 418.1, and Metals
(Concentrations in mg/kg)
for Volatile Organic Compounds
at
Stoody Company
City of Industry, California
Clayton Project No. 37861.00
Sampling Date: November 7, 1991

Soil Sample No.	TRPH	Freon 113	Tetra-chloro-ethene	Toluene	Trichloro-ethene	Cis-1,2-Dichloro-ethene	Copper	Nickel	Hexavalent Chromium
BH-14-1'	<10	0.005	ND	ND	ND	ND	26	24	<0.1
BH-13-1'	<10	0.005	ND	ND	ND	ND	27	21	<0.1
BH-15-5'	<10	0.004	ND	ND	ND	ND	30	26	<0.1
BH-16-1'	210	ND	ND	ND	ND	ND	27	22	<0.1
BH-16-5'	<10	ND	ND	ND	ND	ND	19	19	<0.1
BH-17-1'	<10	ND	ND	ND	ND	ND	34	19	<0.1
BH-17-5'	<10	ND	ND	ND	ND	ND	28	26	<0.1
BH-18-1'	<10	ND	0.007	ND	ND	ND	31	28	<0.1
BH-18-5'	<10	ND	ND	ND	ND	ND	30	26	<0.1
SP-6-N	<10	ND	ND	ND	ND	ND	34	23	<0.1
SP-7-NE	<10	ND	0.032	0.005	ND	ND	25	18	<0.1
SP-9-NW	<10	ND	ND	ND	ND	ND	32	21	<0.1
Method Blank	ND	ND	ND	ND	ND	ND	<1	<1	0.1

Table
Remediation Action Levels

Detected Chemical Constituents	Abbreviation	DHS or MCL (μg/L)	Cleanup Level** (mg/kg)
Organic			
Acetone	ACT	NA	NA
1,2-Dichloroethene (total)	1,2-DCE	0.5 MCL	.005
Cis-1,2-dichloroethene	Cis-1,2-DCE	6 MCL & DHS	0.06
Ethylbenzene	EB	680 MCL	6.80
Tetrachloroethene	PCE	5 MCL/DHS	0.050
Toluene	TOL	100 DHS	1.0
Trans-1,2-dichloroethene	TRANS-1,2-DCE	10 MCL & DHS	0.10
Trichloroethene	TCE	5 MCL	0.05
Total Recoverable Petroleum Hydrocarbons	TRPH	NA	10.0
Xylene, (total)	XYL	1750 MCL	17.5
Inorganic			
Chromium^{+6}	Cr^{tot} Cr^{+6}	50 MCL 50 MCL	0.5 0.5
Copper	Cu	1000 MCL	10.0
Nickel	Ni	150 SNARL	1.5

**Cleanup levels shown are 10 times DHS or MCL and converted to mg/kg
μg/L: Microgram per liter, generally equivalent to parts per billion
mg/kg: Milligram per kilogram, generally equivalent to parts per million
SNARL: Suggested no adverse response level
NA: Not available
DHS: California Department of Health Services
MCL: EPA maximum contaminant level

APPENDIX B

CORRESPONDENCE

STATE OF CALIFORNIA PETE WILSON, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION
101 CENTRE PLAZA DRIVE
MONTEREY PARK, CA 91754-2156
(213) 266-7500

October 29, 1991

Mr. Chet Young
Stoody Company
16425 Gale Ave., P.O. Box 90426
Industry, CA 91745-0426

QUARTERLY GROUND WATER MONITORING DIRECTIVE AND DUE DATE OF REMEDIAL ACTION REPORT FOR CLARIFIER AND SUMP AREAS
(FILE NO. 105.0263)

A letter regarding "Revisions to The Remedial Action Plan for a Clarifier and Sump" prepared by Clayton Environmental Consultants, Inc. was received by this Regional Board on October 24, 1991. Upon review by staff, the remedial action plan and the time schedule are now approved.

In view of the anticipated disturbance of the vadose zone, monthly gauging and quarterly ground water monitoring is required for at least one year subsequent to the current monitoring period. The following items must be included in the monitoring reports:

1. Tabulated results of ground water analysis, along with copies of laboratory reports:

   a. volatile organic compounds by EPA methods 502.1/503.1, 502.2, or 524.2
   b. turbidity
   c. general minerals (first quarter)
   d. total petroleum hydrocarbons (TPH, first quarter) by EPA method 418.1, if TPH is detected in any one of the initial samples, all subsequent samplings must be tested for the same.

2. Tabulated monthly ground water elevation data, with interpreted contour, and plume definition, if possible.

3. Discussion of purging procedures, and ground water sampling protocol and equipment.

4. Copies of field well purging record, including general information of the well, parameters measured during purging, etc.

5. Waste manifest and/or other documents certifying proper disposal of ground water generated from purging.

6. The report must be signed by a registered geologist, certified engineering geologist, or registered civil engineer in responsible charge of the project.

Monitoring reports are due by the following dates:

Monitoring period	Due date
January-March, 1992	March 1, 1992
April-June	June 1, 1992
July-September	September 1, 1992
October-December	December 1, 1992

Four copies of the fourth quarterly ground water monitoring report of the previous monitoring period are due to this Regional Board by **December 1, 1991. Four** copies of the remedial action report are due by **December 20, 1991.**

Please contact Samuel Yu of our staff at (213)266-7541 if you have any questions, and address all correspondence to his attention.

ROY R. SAKAIDA
Senior Water Resource
Control Engineer

cc: Neil Ziemba, USEPA, Region IX
John Maulding, San Gabriel Valley Watermaster
Thomas Stetson, Stetson Engineers Inc., SGV Watermaster
David H. Randell, Clayton Environmental Consultants, Inc.

STATE OF CALIFORNIA

PETE WILSON, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION
101 CENTRE PLAZA DRIVE
MONTEREY PARK, CA 91754-2156
(213) 266-7500

September 11, 1991

Mr. Chet Young
Stoody Company
16425 Gale Ave., P.O. Box 90426
Industry, CA 91745-0426

REVIEW OF REVISED REMEDIAL ACTION PLAN FOR CLARIFIER AND SUMP AREAS (FILE NO. 105.0263)

Four copies of a "Revised Remedial Action Plan for Clarifier and Sump Areas" prepared by Clayton Environmental Consultants, Inc. were received by this Regional Board on September 10, 1991. Upon review by staff, the remedial action plan is conditionally approved provided the following modifications are incorporated:

1. Soil sampling cylinders designated for volatile organic analysis must be full, i.e. without headspace.

2. Regardless of whether a standard fee agreement can be arranged, volatile organic analyses must be performed within seven days of sample collection.

3. There are differences between boring locations agreed upon on the August 5, 1991 inspection and those depicted in Figure 5. Final locations of these borings must be confirmed with staff in the field.

An acceptable written statement must be received by this office before the commencement of field work. Please notify us at least 10 days in advance of any field operation.

Please contact Samuel Yu of our staff at (213)266-7541 if you have any questions, and address all correspondence to his attention.

ROY R. SAKAIDA
Senior Water Resource
Control Engineer

cc: Neil Ziemba, USEPA, Region IX
John Maulding, San Gabriel Valley Watermaster
Thomas Stetson, Stetson Engineers Inc., SGV Watermaster
Guy K. Romine, Clayton Environmental Consultants, Inc.

STATE OF CALIFORNIA PETE WILSON, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION
101 CENTRE PLAZA DRIVE
MONTEREY PARK, CA 91754-2156
(213) 266-7500

August 22, 1991

Mr. Chet Young
Stoody Company
16425 Gale Ave., P.O. Box 90426
Industry, CA 91745-0426

REVIEW OF REMEDIAL ACTION PLAN FOR CLARIFIER AND SUMP AREAS
(FILE NO. 105.0263)

Four copies of a "Remedial Action Plan for Clarifier and Sump Areas" prepared by Clayton Environmental Consultants were received by this Regional Board on August 9, 1991. Upon review by staff, the following comments pertain:

1. Confirmatory soil samples must be collected in discrete and undisturbed state. Sampling from disturbed soil in a backhoe bucket is not acceptable. A drive sampler with extension rod should be used for sampling excavation bottom and side walls.

2. A minimum of eight (8) confirmatory soil samples are required in the proposed clarifier excavation: two samples each at the bottom, and on the north and south side walls; and one each on the remaining side walls. Five (5) confirmatory soil samples are acceptable for the sump excavation. Additional soil samples may be required at locations with obvious color change or other signs of contamination.

3. An on-site mobile laboratory is recommended for providing "real time" chemical analysis to guide the excavation. In any event, soil volatile organic analyses must be performed within seven (7) days after collection.

4. Confirmatory soil samples must be analyzed for extractable metals in addition to total metals and proposed organic analyses.

5. The excavations are not to be backfilled until confirmatory samples demonstrate cleanup to below approved levels.

6. A site plan with proposed locations for the shallow borings must be provided.

Four copies of a revised remedial action plan or an addendum to the present plan are due to this office by **September 9, 1991.** Please contact Samuel Yu of our staff at (213)266-7541 if you have any questions, and address all correspondence to his attention.

ROY R. SAKAIDA
Senior Water Resource
Control Engineer

cc: Neil Ziemba, USEPA, Region IX
John Maulding, San Gabriel Valley Watermaster
Thomas Stetson, Stetson Engineers Inc.
David H. Randell, Clayton Environmental Consultants

STATE OF CALIFORNIA

PETE WILSON, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION
101 CENTRE PLAZA DRIVE
MONTEREY PARK, CA 91754-2156
(213) 266-7500

April 15, 1991

Ms. Nicole Jafari
Stoody Company
P.O. Box 1901
Industry, CA 91749-1901

REVIEW OF FIRST QUARTERLY GROUND WATER MONITORING REPORT
(FILE NO. 105.0263)

Four copies of a report titled "First Quarter Groundwater Monitoring" prepared by Clayton Environmental Consultants were received by this Regional Board on March 11, 1991. Upon review by staff, the following comments pertain:

1. A site plan showing ground water elevation and flow direction should be prepared and attached to each future monitoring report. Such a diagram must be submitted as a supplement to the first monitoring report either separately or with the next monitoring report.

2. All wells must be sampled on the same day in future sampling events.

3. Since there are only minor differences between EPA Methods 624 and 524.2, future comparison of monitoring data must include historical results by Method 624.

Four copies of the second quarterly ground water monitoring report are due to this Regional Board on **June 1, 1991.** Please contact Samuel Yu of our staff at (213)266-7541 if you have any questions, and address all correspondence to his attention.

ROY R. SAKAIDA
Senior Water Resource
Control Engineer

cc: Joe Viray, USEPA, Region IX
Robert Zicker, Clayton Environmental Consultants, Inc.

STATE OF CALIFORNIA
GEORGE DEUKMEJIAN, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION
101 CENTRE PLAZA DRIVE
MONTEREY PARK, CALIFORNIA 91754-2156
(213) 266-7500

January 4, 1991

Ms. Nicole Jafari
Stoody Company
P.O. Box 1901
Industry, CA 91749-1901

REVIEW OF ADDITIONAL CLARIFIER AND SUMP INVESTIGATION WORK PLAN
(FILE NO. 105.0263)

Four copies of a "Workplan for a Clarifier and Sump Investigation" prepared by Clayton Environmental Consultants were received by this office on December 28, 1990. Upon review by staff, the following comments pertain:

1. Contrary to our Work Plan Directive dated October 22, 1990, said work plan does not include remedial work for the subject clarifier and sump, but proposes to "define the lateral and vertical extent of contamination ...", and "first measure the approximate extent of contaminated soil so that the appropriate remediation ... can be set up." It is re-iterated that source elimination and soil remediation are required in the clarifier and sump areas, however, we have no objection to your consultant's proposal to delineate the contamination first.

2. Quality assurance/quality control information including, but not limited to: method blanks, field/travel blanks (water sample), duplicates, matrix spike recovery (soil sample), surrogate recovery and laboratory calibration standards, must accompany all laboratory reports.

3. Be reminded that you are required to monitor the existing and proposed new wells quarterly for a year. First round of sampling should be performed upon completion of the new well down-gradient of the clarifier. Four copies of the first monitoring/progress report is due to this office on or before March 1, 1991. Subsequent reports (four copies) are due on the first of June, September and December, 1991. The December report should include an

This work plan is now approved. Please notify this office at least ten days in advance of any field operation so that split sampling and/or staff presence can be arranged in ample time. Four copies of an additional clarifier and sump investigation report are due to this office by March 1, 1991.

Note that staff contact for this case has been changed. Please call Samuel Yu at (213)266-7527 if you have any questions, and address all future correspondence to his attention.

ROY R. SAKAIDA
Senior Water Resource
Control Engineer

cc: Joe Viray, USEPA, Region IX
Bill Jones, L.A. County Department of Health Services
Seiichi Saito, L.A. County Department of Health Services, Environmental Management
Leon Directo, L.A. County Sanitation District
Robert G. Berlien, Main San Gabriel Basin Watermaster
Tom Stetson, Stetson Engineering, Engineer for Main San Gabriel Basin Watermaster
Don Howard Engineering, Puenta Basin Watermaster
Robert Zicker, Clayton Environmental Consultants

STATE OF CALIFORNIA GEORGE DEUKMEJIAN, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION
101 Centre Plaza Drive
Monterey Park, California 91754-2156
(213) 266-7500

October 22, 1990

Ms. Nicole Jafari
STOODY COMPANY
P.O. Box 1901
City of Industry, CA 91749-1901

WORK PLAN DIRECTIVE (FILE NO. AB105.263)

Board staff is in receipt of your soil assessment and clarifier investigation report. Review of soil analyses, along with quarterly ground water monitoring results indicate waste disposal practices at your site have impacted local ground water. Further investigation and remediation of subsurface conditions is necessary:

1) Analyses of soil samples obtained adjacent to the sump located in the barrel storage area detected high concentrations of volatile organic compounds (VOCs) and total petroleum hydrocarbons (TPH). Analysis of Board split samples obtained from SB-1 detected the following compounds:

	1'	10'
t-1,2-DCE	393 µg/kg	ND
c-1,2-DCE	3500 "	126 µg/kg
TCE	147 "	ND
1,1,2-TCA	ND	37 µg/kg
PCE	100 µg/kg	907 "
Toluene	73 "	ND
Chlorobenzene	17 "	ND
MIK	100 "	ND
TPH	4875 mg/kg	----

2) Sludge and soil samples obtained adjacent to the clarifier also showed high levels of VOCs and TPH. It must be assumed that the clarifier inlet/outlet piping is not sound, and unpermitted discharge continues.

You are therefore directed to submit to this Board a work plan to further define the extent of soil and groundwater contamination at your facility. The work plan must meet the enclosed requirements (Attachments 1 and 2--INITIAL and SUPPLEMENTARY SUBSURFACE ENGINEERING/GEOLOGIC SOIL INVESTIGATION), with the following modifications:

A. CLARIFIER AND SUMP INVESTIGATION/REMEDIATION

1) The clarifier must be emptied of all waste materials, steam cleaned, and inspected to determine where damaged. It must be either repaired, retro-fitted, or removed.

2) All underground pipework servicing the clarifier must be inspected to determine integrity. This may be conducted during excavation of contaminated soils.

3) All contaminated soils around the clarifier must be removed for disposal or remediation. Confirmatory sampling (sidewall and bottom) is required. Residual maximum concentrations of contaminants must meet the following criteria:

a) VOC levels must be less than ten times (10x's) State action levels or maximum contaminant levels (MCLs).
b) TPH levels must not exceed 10 ppm.

4) Obtain at least two soil samples for metals analyses. Analyze samples for soluble and total metal content for nickel, copper, and chromium VI.

5) Remediation/confirmation measures will be required adjacent to the sump located in the barrel storage area. Criteria for VOCs and TPH as stated in above section A.3. will apply.

B. ADDITIONAL GROUNDWATER INVESTIGATION REQUIREMENTS

1) One shallow groundwater monitoring well will be required. The well must be located immediately down-gradient of the clarifier.

2) Four inch diameter stainless steel well screens will be required. Use of PVC for casing material is acceptable.

3) Prior to purging of the new well, a ground water sample must be obtained for TPH analysis (EPA Method 418.1).

4) Continuation of the Stoody ground water monitoring program is required. All previous monitoring program requirements as discussed in August 21, 1989 Board correspondence still apply, with the following changes:

a) Analyze groundwater for VOCs using EPA Methods 502.1/ 503.1, 502.2, or 524.2.

b) If TPH is detected in the initial sampling of the well located adjacent to the clarifier, subsequent samplings of the well will require analysis for TPH.
c) The first monitoring/progress report will be required on January 2, 1991, with each successive reports due on the first of the month for each following quarter. An annual summary report will be due October 1, 1991.

Four copies of the work plan are due to Board staff by December 3, 1990. Please remember that the work plan should not be implemented until it has been approved by Board staff.

If you have any further questions, please contact Dainis Kleinbergs at (213)266-7530 and address all correspondence to his attention.

ROY R. SAKAIDA
Senior Water Resource
Control Engineer

RRS:dk

Enclosures

cc: Joe Viray, U.S. Environmental Protection Agency, Region 9
Bill Jones, Los Angeles County, Department of Health Services
Seiichi Saito, Los Angeles County, Department of Health Services, Environmental Management
Leon Directo, Los Angeles County, Sanitation District
Robert G. Berlien, Main San Gabriel Basin Watermaster
Tom Stetson, Stetson Engineering, Engineer for Main San Gabriel Basin Watermaster
Don Howard Engineering, Puente Basin Watermaster

STATE OF CALIFORNIA
California Regional Water Quality Control Board
Los Angeles Region

WORKPLAN REQUIREMENTS
for
INITIAL SUBSURFACE ENGINEERING/GEOLOGIC SOIL INVESTIGATION
(WELL INVESTIGATION PROGRAM)

The objective of this engineering/geological investigation is to evaluate potential waste discharges which may impact ground water. Your workplan should include, but not be limited to, the following:

SITE INFORMATION: Characterize past and present specific business activities. List any previous businesses at the site. Describe storage, handling, use, and disposal procedures for chemicals, primarily chlorinated organics or aromatic solvents. Give name, address, and phone number of any landlord/lessor.

FACILITY MAP: Identify on a scaled facility map all potential sources for contamination, past and present. Examples include: chemical and waste storage, transfer and use areas including tanks and piping, clarifiers, sumps, pits. Indicate dates of completion of buildings or pavings where possible.

SITE SOILS AND GEOLOGY: Determine if site discharges have entered the vadose zone, define sources, and provide background geological data for the area. Use EPA or State Department of Health Services guidelines.

1. Provide rationale for the number and location of borings. Plot on facility map.
2. Provide reasons for proposed depth of each boring if less than the generally required depth of 40 feet. Additional depths may be required if ground-water is encountered or if there is obvious contamination in the boring.
3. Identify proposed construction methods for borings.
4. Log all borings to provide characteristics of unconsolidated material per Unified Soil Classification System as well as all other appropriate information.
5. Provide a sampling plan to include equipment and procedures for collection and handling of geologic materials. A sampling interval of 5 feet, each change in lithology or changes in observed contamination is required starting at just below surface or surface covering.

6. Comply with chain of custody procedures. Discrete, undisturbed samples will be taken, sealed, and transported to the laboratory for analyses. Samples submitted for laboratory analyses are not to be used for field screening.
7. The proposed laboratory must be State Department of Health Services registered for each analytical procedure specified. EPA Methods 8260 or 8010/8020 are required. Supplement with Methods necessary for any site chemicals, past and present.
8. At a minimum, EPA sample holding times and conditions must be observed. However, samples held over seven (7) days may be suspect and not considered representative of site conditions.
9. EPA practical quantitation limits (5 to 10 µg/kg for selected VOC) are required. Analytical results must indicate detection limits and whether a chemical potentially exists (trace).
10. Minimum laboratory QA/QC requirements include: field and reagent blanks, calibration check standards, matrix spiked duplicates, total recoverables, laboratory quality control sample.

GROUNDWATER (HYDROGEOLOGY): Ground water must be sampled if any boring encounters a saturated zone. Site specific exceptions may be made in consultation with Board staff.

1. Provide a contingency plan for conversion of borings that encounter saturated zones to ground water sampling wells. This should include permitting and well design, construction, and development specifications.
2. Provide protocols for field analysis, water sampling, handling and transport.
3. EPA Methods 601/602 or appropriate 500 Series Methods must be used plus any appropriate EPA Methods for nitrates and any other chemicals used on site.

ADDITIONAL REQUIREMENTS:

1. Submit a copy of the results of any previous subsurface investigations conducted at the site.
2. Submit a time schedule. The proposed activities must be completed within 6 to 8 weeks of plan approval.

3. A CALIFORNIA REGISTERED GEOLOGIST OR ENGINEER OR CERTIFIED ENGINEERING GEOLOGIST WITH FIVE YEARS SOILS OR HYDROGEOLOGIC EXPERIENCE SHALL DIRECTLY OVERSEE OR CONDUCT THESE INVESTIGATIONS AND PROPERLY SIGN OFF THE FINAL REPORT FOR THE REPORT TO BE ACCEPTED AND APPROVED.

4. Work shall not proceed without prior approval. Staff is to be notified at least one week prior to initiating field work to permit observation of field activities and to take split or duplicate samples.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

SUPPLEMENTARY ENGINEERING/GEOLOGIC SUBSURFACE INVESTIGATION
(WELL INVESTIGATION PROGRAM)

DATA REQUIREMENTS: All requirements in the WORK PLAN REQUIREMENTS for INITIAL SUBSURFACE INVESTIGATIONS must be met in conducting this additional investigation.

UNSATURATED ZONE (SOILS)

1. Ascertain lateral and vertical extent of contamination.
2. Determine soil properties which affect contaminant mobility in the vadose zone. Relate the specific residual contaminants with their potential long term effect on ground water quality.

SATURATED ZONE (WATER)

1. Determine specific aquifer properties for correct siting of monitoring well(s). Use of piezometer clusters is encouraged to ascertain aquifer properties.
2. Determine lateral and vertical extent of contaminant plume.

PROCEDURES

SOIL BORING

1. Justify and plot location(s) for soil sampling.
2. Explain sampling depth and drilling method.
3. Have an appropriately registered or certified personnel sign off boring logs.

DRILLING/SOIL SAMPLING

1. Describe sampling procedures:
   - o Method and equipment used to collect the samples with minimal loss of volatiles.
   - o Sampling interval (5 feet or at significant changes in soil/lithology as noted on the boring logs).
   - o Number and type of soil samples (only discrete, undisturbed samples are acceptable).
2. Sample water from any boring which penetrates a saturated zone after converting to a monitoring well or piezometer.

MONITORING WELL CONSTRUCTION/DEVELOPMENT

1. Include in the well design, specifications and construction details such as:
   - o Casing and screen materials, screen length and placement with respect to water table etc.,
   - o Proposed depth and type of annular seal,
   - o Time for cement to set before commencing development.
2. Provide for appropriate logging by qualified personnel.
3. Characterize aquifer materials for proper selection of filter pack and screen. Only commercially slotted screens are acceptable. Less than 10-20% of the filter pack should enter the well.

4. The boring should not penetrate a competent clay layer below the saturated zone.
5. Casing must be suspended and centralized such that it is not resting against the sides nor bottom of the hole prior to fixing in place.
6. Place grout of either cement or cement/bentonite in an appropriate manner to avoid bridging.
7. Establish benchmarks relative to mean sea level. Provide benchmark location and survey data. Measure water levels to 0.01 foot. Also provide well location using UTM Coordinates.
8. Describe methods to develop well such that the waters sampled are representative of the formation water. The water sampled must have less than 10 ppm settleable solids.

WATER SAMPLING

1. Describe details of sample collection:
   - o Water sampling devices to be used,
   - o Procedures to minimize loss of samples by adsorption and/or volatilization,
   - o Purge techniques, tests (temp., pH, conductivity) to assure the collection of a representative water sample.
2. Describe methods for handling the samples collected.

SAMPLE ANALYSES

GENERAL

1. The laboratory must be certified by the California Department of Health Services for the specific required procedures.
2. Laboratory procedures must be specified and QA\QC sheets must be submitted with the results in the technical report.
3. Limits of detection must meet EPA's practical quantitation limits.
4. Proper chain of custody procedures must be used.

SOILS: Specify EPA Methods to determine existing facility contaminants, also use the required EPA Methods 8260 or 8010/8020 to quantify volatile organics to EPA's practical quantitation limits. Specify detection limits.

WATER: Specify EPA Methods to quantify contaminants found in soil, also use EPA Methods 502.1/503.1, 502.2 or 524.2. Specify detection limits. Submit samples to the laboratory in unfiltered form and report sample turbidity.

REPORTS

Four copies of final reports should be submitted with all information requested.

APPENDIX C

LABORATORY REPORTS AND CHAIN-OF-CUSTODY

Western Operations

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(510) 426-2600
Fax (510) 426-0106

Clayton
ENVIRONMENTAL
CONSULTANTS

November 12, 1991

Mr. Guy Romine
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
P. O. Box 788
Cypress, CA 90630

Client Ref. 37861.00
Clayton Project No. 91110.51

Dear Mr. Romine:

Attached is our analytical laboratory report for the samples received on November 6, 1991. A copy of the Chain-of-Custody form acknowledging receipt of these samples is attached.

Please note that any unused portion of the samples will be disposed of 30 days after the date of this report, unless you have requested otherwise.

We appreciate the opportunity to be of assistance to you. If you have any questions, please contact Maryann Gambino, Client Services Supervisor, at (510) 426-2657.

Sincerely,

Ronald H. Peters, CIH
Director, Laboratory Services
Western Operations

RHP/tb
Attachments

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 37861.00
Clayton Project No. 91110.51

Sample Identification:	SP-1-B	Date Sampled:	11/05/91
Lab Number:	9111051-01A	Date Received:	11/06/91
Sample Matrix/Media:	SOIL	Date Prepared:	11/08/91
Preparation Method:	EPA 5030	Date Analyzed:	11/08/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 37861.00

Sample Identification: SP-1-B

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Tetrachloroethene	127-18-4	0.011	0.004
Toluene	108-88-3	ND	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	ND	0.003
Total Xylenes	1330-20-7	ND	0.003
Acetone	67-64-1	ND	0.02
2-Butanone	78-93-3	ND	0.02
4-Methyl-2-pentanone	108-10-1	ND	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003

Surrogates		Recovery (%)	QC Limits (%) LCL	UCL
1,2-Dichloroethane-d4	---	94	57 -	163
Toluene-d8	2037-26-5	98	74 -	129
Bromofluorobenzene	460-00-4	88	60 -	132

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 37861.00
Clayton Project No. 91110.51

Sample Identification:	SP-2-S	Date Sampled:	11/05/91
Lab Number:	9111051-02A	Date Received:	11/06/91
Sample Matrix/Media:	SOIL	Date Prepared:	11/08/91
Preparation Method:	EPA 5030	Date Analyzed:	11/08/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 37861.00

Sample Identification: SP-2-S

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Tetrachloroethene	127-18-4	0.017	0.004
Toluene	108-88-3	0.004	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	ND	0.003
Total Xylenes	1330-20-7	ND	0.003
Acetone	67-64-1	ND	0.02
2-Butanone	78-93-3	ND	0.02
4-Methyl-2-pentanone	108-10-1	ND	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003

Surrogates		Recovery (%)	QC Limits (%) LCL	UCL
1,2-Dichloroethane-d4	---	96	57 -	163
Toluene-d8	2037-26-5	98	74 -	129
Bromofluorobenzene	460-00-4	90	60 -	132

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 37861.00
Clayton Project No. 91110.51

Sample Identification:	SP-3-W	Date Sampled:	11/05/91
Lab Number:	9111051-03A	Date Received:	11/06/91
Sample Matrix/Media:	SOIL	Date Prepared:	11/08/91
Preparation Method:	EPA 5030	Date Analyzed:	11/08/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 37861.00

Sample Identification: SP-3-W

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Tetrachloroethene	127-18-4	0.005	0.004
Toluene	108-88-3	ND	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	ND	0.003
Total Xylenes	1330-20-7	ND	0.003
Acetone	67-64-1	ND	0.02
2-Butanone	78-93-3	ND	0.02
4-Methyl-2-pentanone	108-10-1	ND	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003

Surrogates		Recovery (%)	QC Limits (%) LCL - UCL
1,2-Dichloroethane-d4	---	102	57 - 163
Toluene-d8	2037-26-5	98	74 - 129
Bromofluorobenzene	460-00-4	82	60 - 132

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 37861.00
Clayton Project No. 91110.51

Sample Identification:	SP-4-N	Date Sampled:	11/05/91
Lab Number:	9111051-04A	Date Received:	11/06/91
Sample Matrix/Media:	SOIL	Date Prepared:	11/09/91
Preparation Method:	EPA 5030	Date Analyzed:	11/09/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 37861.00

Sample Identification: SP-4-N

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Tetrachloroethene	127-18-4	0.004	0.004
Toluene	108-88-3	ND	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	ND	0.003
Total Xylenes	1330-20-7	ND	0.003
Acetone	67-64-1	0.05	0.02
2-Butanone	78-93-3	ND	0.02
4-Methyl-2-pentanone	108-10-1	ND	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003

Surrogates		Recovery (%)	QC Limits (%) LCL	UCL
1,2-Dichloroethane-d4	---	88	57 -	163
Toluene-d8	2037-26-5	96	74 -	129
Bromofluorobenzene	460-00-4	90	60 -	132

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 37861.00
Clayton Project No. 91110.51

Sample Identification: SP-5-E
Lab Number: 9111051-05A
Sample Matrix/Media: SOIL
Preparation Method: EPA 5030
Analytical Method: EPA 8240 (Low Level)

Date Sampled: 11/05/91
Date Received: 11/06/91
Date Prepared: 11/09/91
Date Analyzed: 11/09/91

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 37861.00

Sample Identification: SP-5-E

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Tetrachloroethene	127-18-4	0.008	0.004
Toluene	108-88-3	ND	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	ND	0.003
Total Xylenes	1330-20-7	ND	0.003
Acetone	67-64-1	0.08	0.02
2-Butanone	78-93-3	ND	0.02
4-Methyl-2-pentanone	108-10-1	ND	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003

Surrogates		Recovery (%)	QC Limits (%) LCL	UCL
1,2-Dichloroethane-d4	---	100	57 -	163
Toluene-d8	2037-26-5	98	74 -	129
Bromofluorobenzene	460-00-4	82	60 -	132

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 37861.00
Clayton Project No. 91110.51

Sample Identification: METHOD BLANK
Lab Number: 9111051-06A
Sample Matrix/Media: SOIL
Preparation Method: EPA 5030
Analytical Method: EPA 8240 (Low Level)

Date Sampled: --
Date Received: --
Date Prepared: 11/08/91
Date Analyzed: 11/08/91

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 37861.00

Sample Identification: METHOD BLANK

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Tetrachloroethene	127-18-4	ND	0.004
Toluene	108-88-3	ND	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	ND	0.003
Total Xylenes	1330-20-7	ND	0.003
Acetone	67-64-1	ND	0.02
2-Butanone	78-93-3	ND	0.02
4-Methyl-2-pentanone	108-10-1	ND	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003

Surrogates		Recovery (%)	QC Limits (%) LCL - UCL
1,2-Dichloroethane-d4	---	92	57 - 163
Toluene-d8	2037-26-5	98	74 - 129
Bromofluorobenzene	460-00-4	90	60 - 132

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 37861.00
Clayton Project No. 91110.51

Sample Identification: SP-1-B
Lab Number: 9111051-01A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: 11/05/91
Date Received: 11/06/91
Date Extracted: 11/06/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/11/91	6010	Antimony	<0.1	15	0.1
11/11/91	7060	Arsenic	<0.05	5.0	0.05
11/11/91	6010	Barium	3.6	100	0.1
11/11/91	6010	Beryllium	<0.05	0.75	0.05
11/11/91	6010	Cadmium	<0.05	1.0	0.05
11/11/91	6010	Chromium	<0.1	560	0.1
11/11/91	6010	Cobalt	0.4	80	0.1
11/11/91	6010	Copper	0.3	25	0.1
11/11/91	6010	Lead	<0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/11/91	6010	Molybdenum	<0.1	350	0.1
11/11/91	6010	Nickel	0.4	20	0.1
11/11/91	7740	Selenium	<0.05	1.0	0.05
11/11/91	6010	Silver	<0.1	5	0.1
11/11/91	6010	Thallium	<0.2	7.0	0.2
11/11/91	6010	Vanadium	0.3	24	0.1
11/11/91	6010	Zinc	0.2	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 37861.00
Clayton Project No. 91110.51

Sample Identification: SP-2-S
Lab Number: 9111051-02A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: 11/05/91
Date Received: 11/06/91
Date Extracted: 11/06/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/11/91	6010	Antimony	<0.1	15	0.1
11/11/91	7060	Arsenic	<0.05	5.0	0.05
11/11/91	6010	Barium	3.3	100	0.1
11/11/91	6010	Beryllium	<0.05	0.75	0.05
11/11/91	6010	Cadmium	<0.05	1.0	0.05
11/11/91	6010	Chromium	<0.1	560	0.1
11/11/91	6010	Cobalt	0.4	80	0.1
11/11/91	6010	Copper	0.3	25	0.1
11/11/91	6010	Lead	<0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/11/91	6010	Molybdenum	<0.1	350	0.1
11/11/91	6010	Nickel	0.5	20	0.1
11/11/91	7740	Selenium	<0.05	1.0	0.05
11/11/91	6010	Silver	<0.1	5	0.1
11/11/91	6010	Thallium	<0.2	7.0	0.2
11/11/91	6010	Vanadium	0.4	24	0.1
11/11/91	6010	Zinc	0.1	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 37861.00
Clayton Project No. 91110.51

Sample Identification: SP-3-W
Lab Number: 9111051-03A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: 11/05/91
Date Received: 11/06/91
Date Extracted: 11/06/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/11/91	6010	Antimony	<0.1	15	0.1
11/11/91	7060	Arsenic	<0.05	5.0	0.05
11/11/91	6010	Barium	3.7	100	0.1
11/11/91	6010	Beryllium	<0.05	0.75	0.05
11/11/91	6010	Cadmium	<0.05	1.0	0.05
11/11/91	6010	Chromium	<0.1	560	0.1
11/11/91	6010	Cobalt	0.4	80	0.1
11/11/91	6010	Copper	0.2	25	0.1
11/11/91	6010	Lead	<0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/11/91	6010	Molybdenum	<0.1	350	0.1
11/11/91	6010	Nickel	0.5	20	0.1
11/11/91	7740	Selenium	<0.05	1.0	0.05
11/11/91	6010	Silver	<0.1	5	0.1
11/11/91	6010	Thallium	<0.2	7.0	0.2
11/11/91	6010	Vanadium	0.4	24	0.1
11/11/91	6010	Zinc	<0.1	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 37861.00
Clayton Project No. 91110.51

Sample Identification: SP-4-N
Lab Number: 9111051-04A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: 11/05/91
Date Received: 11/06/91
Date Extracted: 11/06/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/11/91	6010	Antimony	<0.1	15	0.1
11/11/91	7060	Arsenic	<0.05	5.0	0.05
11/11/91	6010	Barium	4.9	100	0.1
11/11/91	6010	Beryllium	<0.05	0.75	0.05
11/11/91	6010	Cadmium	<0.05	1.0	0.05
11/11/91	6010	Chromium	<0.1	560	0.1
11/11/91	6010	Cobalt	0.4	80	0.1
11/11/91	6010	Copper	0.2	25	0.1
11/11/91	6010	Lead	0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/11/91	6010	Molybdenum	<0.1	350	0.1
11/11/91	6010	Nickel	0.5	20	0.1
11/11/91	7740	Selenium	<0.05	1.0	0.05
11/11/91	6010	Silver	<0.1	5	0.1
11/11/91	6010	Thallium	<0.2	7.0	0.2
11/11/91	6010	Vanadium	0.4	24	0.1
11/11/91	6010	Zinc	0.6	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 37861.00
Clayton Project No. 91110.51

Sample Identification: SP-5-E
Lab Number: 9111051-05A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: 11/05/91
Date Received: 11/06/91
Date Extracted: 11/06/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/11/91	6010	Antimony	<0.1	15	0.1
11/11/91	7060	Arsenic	<0.05	5.0	0.05
11/11/91	6010	Barium	5.1	100	0.1
11/11/91	6010	Beryllium	<0.05	0.75	0.05
11/11/91	6010	Cadmium	<0.05	1.0	0.05
11/11/91	6010	Chromium	<0.1	560	0.1
11/11/91	6010	Cobalt	0.4	80	0.1
11/11/91	6010	Copper	0.2	25	0.1
11/11/91	6010	Lead	<0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/11/91	6010	Molybdenum	<0.1	350	0.1
11/11/91	6010	Nickel	0.6	20	0.1
11/11/91	7740	Selenium	<0.05	1.0	0.05
11/11/91	6010	Silver	<0.1	5	0.1
11/11/91	6010	Thallium	<0.2	7.0	0.2
11/11/91	6010	Vanadium	0.4	24	0.1
11/11/91	6010	Zinc	0.2	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 37861.00
Clayton Project No. 91110.51

Sample Identification: METHOD BLANK
Lab Number: 9111051-06A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: --
Date Received: --
Date Extracted: 11/06/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/11/91	6010	Antimony	<0.1	15	0.1
11/11/91	7060	Arsenic	<0.05	5.0	0.05
11/11/91	6010	Barium	<0.1	100	0.1
11/11/91	6010	Beryllium	<0.05	0.75	0.05
11/11/91	6010	Cadmium	<0.05	1.0	0.05
11/11/91	6010	Chromium	<0.1	560	0.1
11/11/91	6010	Cobalt	<0.1	80	0.1
11/11/91	6010	Copper	<0.1	25	0.1
11/11/91	6010	Lead	<0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/11/91	6010	Molybdenum	<0.1	350	0.1
11/11/91	6010	Nickel	<0.1	20	0.1
11/11/91	7740	Selenium	<0.05	1.0	0.05
11/11/91	6010	Silver	<0.1	5	0.1
11/11/91	6010	Thallium	<0.2	7.0	0.2
11/11/91	6010	Vanadium	<0.1	24	0.1
11/11/91	6010	Zinc	<0.1	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 37861.00
Clayton Project No. 91110.51

Sample Identification: SP-1-B
Lab Number: 9111051-01
Sample Matrix/Media: SOIL

Date Sampled: 11/05/91
Date Received: 11/06/91

Analyte	Concentration	Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Analysis Method
Copper	23	1	mg/kg	11/06/91	11/08/91	EPA 3050	EPA 6010
Hexavalent Chromium	<0.1	0.1	mg/kg	--	11/06/91	--	EPA 7196
Nickel	20	1	mg/kg	11/06/91	11/08/91	EPA 3050	EPA 6010
TRPH*	<10	10	mg/kg	--	11/11/91	--	EPA 418.1 (Mod

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

* Total Recoverable Petroleum Hydrocarbons

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 37861.00
Clayton Project No. 91110.51

Sample Identification: SP-2-S
Lab Number: 9111051-02
Sample Matrix/Media: SOIL

Date Sampled: 11/05/91
Date Received: 11/06/91

Analyte	Concentration	Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Analysis Method
Copper	29	1	mg/kg	11/06/91	11/08/91	EPA 3050	EPA 6010
Hexavalent Chromium	<0.1	0.1	mg/kg	--	11/06/91	--	EPA 7196
Nickel	24	1	mg/kg	11/06/91	11/08/91	EPA 3050	EPA 6010
TRPH*	<10	10	mg/kg	--	11/11/91	--	EPA 418.1 (Mod)

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

*Total Recoverable Petroleum Hydrocarbons

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 37861.00
Clayton Project No. 91110.51

Sample Identification: SP-3-W
Lab Number: 9111051-03
Sample Matrix/Media: SOIL

Date Sampled: 11/05/91
Date Received: 11/06/91

Analyte	Concentration	Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Analysis Method
Copper	30	1	mg/kg	11/06/91	11/08/91	EPA 3050	EPA 6010
Hexavalent Chromium	<0.1	0.1	mg/kg	--	11/06/91	--	EPA 7196
Nickel	26	1	mg/kg	11/06/91	11/08/91	EPA 3050	EPA 6010
TRPH*	<10	10	mg/kg	--	11/11/91	--	EPA 418.1(Mod)

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

*Total Recoverable Petroleum Hydrocarbons

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 37861.00
Clayton Project No. 91110.51

Sample Identification: SP-4-N
Lab Number: 9111051-04
Sample Matrix/Media: SOIL

Date Sampled: 11/05/91
Date Received: 11/06/91

Analyte	Concentration	Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Analysis Method
Copper	23	1	mg/kg	11/06/91	11/08/91	EPA 3050	EPA 6010
Hexavalent Chromium	<0.1	0.1	mg/kg	--	11/06/91	--	EPA 7196
Nickel	20	1	mg/kg	11/06/91	11/08/91	EPA 3050	EPA 6010
TRPH*	180	10	mg/kg	--	11/11/91	--	EPA 418.1(Mod)

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

*Total Recoverable Petroleum Hydrocarbons

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 37861.00
Clayton Project No. 91110.51

Sample Identification: SP-5-E
Lab Number: 9111051-05
Sample Matrix/Media: SOIL

Date Sampled: 11/05/91
Date Received: 11/06/91

Analyte	Concentration	Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Analysis Method
Copper	28	1	mg/kg	11/06/91	11/08/91	EPA 3050	EPA 6010
Hexavalent Chromium	<0.1	0.1	mg/kg	--	11/06/91	--	EPA 7196
Nickel	24	1	mg/kg	11/06/91	11/08/91	EPA 3050	EPA 6010
TRPH*	<10	10	mg/kg	--	11/11/91	--	EPA 418.1(Mod)

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable
*Total Recoverable Petroleum Hydrocarbons

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 37861.00
Clayton Project No. 91110.51

Sample Identification: METHOD BLANK
Lab Number: 9111051-06
Sample Matrix/Media: SOIL

Date Sampled: --
Date Received: --

Analyte	Concentration	Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Analysis Method
Copper	<1	1	mg/kg	11/06/91	11/08/91	EPA 3050	EPA 6010
Hexavalent Chromium	<0.1	0.1	mg/kg	--	11/06/91	--	EPA 7196
Nickel	<1	1	mg/kg	11/06/91	11/08/91	EPA 3050	EPA 6010
TRPH*	<10	10	mg/kg	--	11/11/91	--	EPA 418.1 (Mod)

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

*Total Recoverable Petroleum Hydrocarbons

Clayton
ENVIRONMENTAL CONSULTANTS
A Marsh & McLennan Company

REQUEST FOR LABORATORY ANALYTICAL SERVICES

For Clayton Use Only	Page 1 of 1
Project No.	
Batch No.	9111051
Client No.	
Date Logged In	11/6/91 By TS

REPORT RESULTS TO

Name: Guy Romine | Title: Geologist
Company: CEC | Dept.: EE
Mailing Address: 5785 Corporate Ave #150
City, State, Zip: Cypress, CA 90630
Telephone No.: 714 229 4806 | Telefax No.: 714 229 4805

SEND INVOICE TO

Purchase Order No. | Client Job No.: 37861.00
Name: Same
Company | Dept.
Address
City, State, Zip

Date Results Required: 11/12/91
Rush Charges Authorized? Yes [X] No
Phone Results [X]

Special Instructions: (method, limit of detection, etc.)
7 day turnaround required. Bill at 14 day turnaround rate per Marayan Gambino agreement
Explanation of Preservative:

Samples are: (check if applicable)
- ☐ Drinking Water
- ☐ Collected in the State of New York

ANALYSIS REQUESTED
(Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added.)

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	MATRIX/ MEDIA	AIR VOLUME (specify units)	Number of Containers	418.1 (TPH)	8240	STLC metals (all)	TTLC metals (Cu, Ni, Cr+6)	FOR LAB USE ONLY
SP-1B	11/5/91	SOIL	B.C.	1	X	X	X	X	01A
SP-2-S				1	X	X	X	X	02
SP-3- W				1	X	X	X	X	03
SP-4- N				1	X	X	X	X	04
SP-5- E				1	X	X	X	X	05

CHAIN OF CUSTODY

Relinquished by: G.K.R-E | Date/Time: 11:5-91
Relinquished by: | Date/Time:
Method of Shipment:

Received by: | Date/Time:
Received at Lab by: Rebecca Tuinstra | Date/Time: 11/6/91 10:20
Sample Condition Upon Receipt: [X] Acceptable ☐ Other (explain)

Authorized by: G. K. R-E Date 11-5-91
(Client Signature Must Accompany Request)

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

22345 Roethel Drive
Novi, MI 48375
(313) 344-1770

Raritan Center
160 Fieldcrest Ave.
Edison, NJ 08837
(201) 225-6040

400 Chastain Center Blvd., N.W.
Suite 490
Kennesaw, GA 30144
(404) 499-7500

1252 Quarry Lane
Pleasanton, CA 94566
(415) 426-2600

6/90

DISTRIBUTION:
WHITE - Clayton Laboratory
YELLOW - Clayton Accounting
PINK - Client Copy

☐ Novi ☐ Pleasanton ☐ Edison ☐ Kennesaw ☐ Windsor

Interdepartmental Laboratory Invoice

Project No: 37861.00 Journal Entry: ____

Client: ____ Debit Project: 37861.00

Contact: Guy Romine Credit Project: 91110.51

Office/Dept: Cypress / EE J.E. Date: ____

Log-in Date	Lab Numbers	# of Samples	Analysis Requested	Cost/ Sample	Total	Date
11/6	9111051	5	418.1	70	350	11/12
		5	8240	220	1100	
		5	STLC Metals	300	1500	
		5	Cu, Ni	40	200	
		5	Cr^{6+}	55	275	

☐ Rush T/A Requested: ____

Subtotal: $3425

Discount: 10% −342.50

Priority Charge: ____

Total (U.S.) $3082.50

Total (Canadian) ____

Western Operations

1252 Quarry Lane
Pleasanton, CA 94566
(415) 426-2600
Fax (415) 426-0106

Clayton
ENVIRONMENTAL
CONSULTANTS

November 14, 1991

Mr. Guy Romine
CLAYTON ENVIRONMENTAL
5785 Corporate Ave., Ste. 150
Cypress, CA 90630

Client Ref. 37861.00
Clayton Project No. 91110.71

Dear Mr. Romine:

Attached is our analytical laboratory report for the samples received on November 7, 1991. A copy of the Chain-of-Custody form acknowledging receipt of these samples is attached.

Please note that any unused portion of the samples will be disposed of 30 days after the date of this report, unless you have requested otherwise.

We appreciate the opportunity to be of assistance to you. If you have any questions, please contact Maryann Gambino, Client Services Supervisor, at (510) 426-2657.

Sincerely,

Ronald H. Peters, CIH
Director, Laboratory Services
Western Operations

RHP/caa
Attachments

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.71

Sample Identification:	CL-1-B	Date Sampled:	11/06/91
Lab Number:	9111071-01A	Date Received:	11/07/91
Sample Matrix/Media:	SOIL	Date Prepared:	11/09/91
Preparation Method:	EPA 5030	Date Analyzed:	11/09/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00

Sample Identification: CL-1-B

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Tetrachloroethene	127-18-4	ND	0.004
Toluene	108-88-3	0.020	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	ND	0.003
Total Xylenes	1330-20-7	0.090	0.003
Acetone	67-64-1	0.29	0.02
2-Butanone	78-93-3	0.02	0.02
4-Methyl-2-pentanone	108-10-1	0.03	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003

Surrogates		Recovery (%)	QC Limits (%) LCL	UCL
1,2-Dichloroethane-d4	---	100	57 -	163
Toluene-d8	2037-26-5	102	74 -	129
Bromofluorobenzene	460-00-4	90	60 -	132

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.71

Sample Identification:	CL-2-B	Date Sampled:	11/06/91
Lab Number:	9111071-02A	Date Received:	11/07/91
Sample Matrix/Media:	SOIL	Date Prepared:	11/09/91
Preparation Method:	EPA 5030	Date Analyzed:	11/09/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00

Sample Identification: CL-2-B

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Tetrachloroethene	127-18-4	ND	0.004
Toluene	108-88-3	0.002	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	ND	0.003
Total Xylenes	1330-20-7	ND	0.003
Acetone	67-64-1	0.29	0.02
2-Butanone	78-93-3	0.02	0.02
4-Methyl-2-pentanone	108-10-1	0.03	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003

Surrogates		Recovery (%)	QC Limits (%) LCL	UCL
1,2-Dichloroethane-d4	---	88	57 -	163
Toluene-d8	2037-26-5	104	74 -	129
Bromofluorobenzene	460-00-4	96	60 -	132

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.71

Sample Identification:	CL-3-S	Date Sampled:	11/06/91
Lab Number:	9111071-03A	Date Received:	11/07/91
Sample Matrix/Media:	SOIL	Date Prepared:	11/09/91
Preparation Method:	EPA 5030	Date Analyzed:	11/09/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00

Sample Identification: CL-3-S

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Tetrachloroethene	127-18-4	0.005	0.004
Toluene	108-88-3	0.013	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	ND	0.003
Total Xylenes	1330-20-7	0.005	0.003
Acetone	67-64-1	ND	0.02
2-Butanone	78-93-3	ND	0.02
4-Methyl-2-pentanone	108-10-1	ND	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003

Surrogates		Recovery (%)	QC Limits (%) LCL	UCL
1,2-Dichloroethane-d4	---	96	57 -	163
Toluene-d8	2037-26-5	90	74 -	129
Bromofluorobenzene	460-00-4	82	60 -	132

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.71

Sample Identification:	CL-4-E	Date Sampled:	11/06/91
Lab Number:	9111071-04A	Date Received:	11/07/91
Sample Matrix/Media:	SOIL	Date Prepared:	11/09/91
Preparation Method:	EPA 5030	Date Analyzed:	11/09/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection [a] (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.05
Bromomethane	74-83-9	ND	0.02
Vinyl chloride	75-01-4	ND	0.02
Chloroethane	75-00-3	ND	0.02
Methylene chloride	75-09-2	ND	0.05
Trichlorofluoromethane	75-69-4	ND	0.02
1,1-Dichloroethene	75-35-4	ND	0.02
1,1-Dichloroethane	75-35-3	ND	0.02
Trans-1,2-Dichloroethene	156-60-5	ND	0.02
Cis-1,2-Dichloroethene	156-59-2	ND	0.02
Chloroform	67-66-3	ND	0.02
1,2-Dichloroethane	107-06-2	ND	0.02
1,1,1-Trichloroethane	71-55-6	ND	0.02
Carbon tetrachloride	56-23-5	ND	0.02
Bromodichloromethane	75-27-4	ND	0.02
1,2-Dichloropropane	78-87-5	ND	0.02
Cis-1,3-Dichloropropene	10061-01-5	ND	0.02
Trichloroethene	79-01-6	ND	0.02
Benzene	71-43-2	ND	0.01
Dibromochloromethane	124-48-1	ND	0.01
1,1,2-Trichloroethane	79-00-5	ND	0.02
Trans-1,3-Dichloropropene	10061-02-6	ND	0.03
2-Chloroethylvinylether	100-75-8	ND	0.02
Bromoform	75-25-2	ND	0.02
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.02

ND Not detected at or above limit of detection
-- Information not available or not applicable

[a] Detection limits increased due to dilution necessary for quantitation

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00

Sample Identification: CL-4-E

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg) [a]
Tetrachloroethene	127-18-4	ND	0.02
Toluene	108-88-3	0.15	0.01
Chlorobenzene	108-90-7	ND	0.02
Ethylbenzene	100-41-4	ND	0.02
1,3-Dichlorobenzene	541-73-7	ND	0.02
1,2-Dichlorobenzene	95-50-1	ND	0.02
1,4-Dichlorobenzene	106-46-7	ND	0.02
Freon 113	76-13-1	ND	0.02
Total Xylenes	1330-20-7	0.03	0.02
Acetone	67-64-1	0.2	0.1
2-Butanone	78-93-3	ND	0.1
4-Methyl-2-pentanone	108-10-1	ND	0.1
2-Hexanone	591-78-6	ND	0.1
Vinyl acetate	108-05-4	ND	0.05
Carbon disulfide	75-15-0	ND	0.02
Styrene	100-42-5	ND	0.02

Surrogates		Recovery (%)	QC Limits (%) LCL	UCL
1,2-Dichloroethane-d4	---	90	57 -	163
Toluene-d8	2037-26-5	100	74 -	129
Bromofluorobenzene	460-00-4	84	60 -	132

ND Not detected at or above limit of detection
-- Information not available or not applicable

[a] Detection limits increased due to dilution necessary for quantitation

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.71

Sample Identification: CL-5-W
Lab Number: 9111071-05A
Sample Matrix/Media: SOIL
Preparation Method: EPA 5030
Analytical Method: EPA 8240 (Low Level)

Date Sampled: 11/06/91
Date Received: 11/07/91
Date Prepared: 11/09/91
Date Analyzed: 11/09/91

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection [a] (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.05
Bromomethane	74-83-9	ND	0.02
Vinyl chloride	75-01-4	ND	0.02
Chloroethane	75-00-3	ND	0.02
Methylene chloride	75-09-2	ND	0.05
Trichlorofluoromethane	75-69-4	ND	0.02
1,1-Dichloroethene	75-35-4	ND	0.02
1,1-Dichloroethane	75-35-3	ND	0.02
Trans-1,2-Dichloroethene	156-60-5	ND	0.02
Cis-1,2-Dichloroethene	156-59-2	ND	0.02
Chloroform	67-66-3	ND	0.02
1,2-Dichloroethane	107-06-2	ND	0.02
1,1,1-Trichloroethane	71-55-6	ND	0.02
Carbon tetrachloride	56-23-5	ND	0.02
Bromodichloromethane	75-27-4	ND	0.02
1,2-Dichloropropane	78-87-5	ND	0.02
Cis-1,3-Dichloropropene	10061-01-5	ND	0.02
Trichloroethene	79-01-6	ND	0.02
Benzene	71-43-2	ND	0.01
Dibromochloromethane	124-48-1	ND	0.01
1,1,2-Trichloroethane	79-00-5	ND	0.02
Trans-1,3-Dichloropropene	10061-02-6	ND	0.03
2-Chloroethylvinylether	100-75-8	ND	0.02
Bromoform	75-25-2	ND	0.02
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.02

ND Not detected at or above limit of detection
-- Information not available or not applicable

[a] Detection limit increased due to matrix interference

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00

Sample Identification: CL-5-W

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection [a] (mg/kg)
Tetrachloroethene	127-18-4	ND	0.02
Toluene	108-88-3	0.04	0.01
Chlorobenzene	108-90-7	ND	0.02
Ethylbenzene	100-41-4	ND	0.02
1,3-Dichlorobenzene	541-73-7	ND	0.02
1,2-Dichlorobenzene	95-50-1	ND	0.02
1,4-Dichlorobenzene	106-46-7	ND	0.02
Freon 113	76-13-1	ND	0.02
Total Xylenes	1330-20-7	0.04	0.02
Acetone	67-64-1	0.2	0.1
2-Butanone	78-93-3	ND	0.1
4-Methyl-2-pentanone	108-10-1	ND	0.1
2-Hexanone	591-78-6	ND	0.1
Vinyl acetate	108-05-4	ND	0.05
Carbon disulfide	75-15-0	ND	0.02
Styrene	100-42-5	ND	0.02

Surrogates		Recovery (%)	QC Limits (%) LCL	UCL
1,2-Dichloroethane-d4	---	86	57 -	163
Toluene-d8	2037-26-5	96	74 -	129
Bromofluorobenzene	460-00-4	82	60 -	132

ND Not detected at or above limit of detection
-- Information not available or not applicable

[a] Detection limit increased due to matrix interference

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.71

Sample Identification:	CL-6-N	Date Sampled:	11/06/91
Lab Number:	9111071-06A	Date Received:	11/07/91
Sample Matrix/Media:	SOIL	Date Prepared:	11/09/91
Preparation Method:	EPA 5030	Date Analyzed:	11/09/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00

Sample Identification: CL-6-N

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Tetrachloroethene	127-18-4	0.017	0.004
Toluene	108-88-3	0.051	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	ND	0.003
Total Xylenes	1330-20-7	0.038	0.003
Acetone	67-64-1	0.12	0.02
2-Butanone	78-93-3	ND	0.02
4-Methyl-2-pentanone	108-10-1	ND	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003

Surrogates		Recovery (%)	QC Limits (%) LCL	UCL
1,2-Dichloroethane-d4	---	92	57 -	163
Toluene-d8	2037-26-5	80	74 -	129
Bromofluorobenzene	460-00-4	80	60 -	132

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.71

Sample Identification:	CL-7-SE	Date Sampled:	11/06/91
Lab Number:	9111071-07A	Date Received:	11/07/91
Sample Matrix/Media:	SOIL	Date Prepared:	11/09/91
Preparation Method:	EPA 5030	Date Analyzed:	11/09/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg) [a]
Purgeable Organics			
Chloromethane	74-87-3	ND	0.05
Bromomethane	74-83-9	ND	0.02
Vinyl chloride	75-01-4	ND	0.02
Chloroethane	75-00-3	ND	0.02
Methylene chloride	75-09-2	ND	0.05
Trichlorofluoromethane	75-69-4	ND	0.02
1,1-Dichloroethene	75-35-4	ND	0.02
1,1-Dichloroethane	75-35-3	ND	0.02
Trans-1,2-Dichloroethene	156-60-5	ND	0.02
Cis-1,2-Dichloroethene	156-59-2	ND	0.02
Chloroform	67-66-3	ND	0.02
1,2-Dichloroethane	107-06-2	ND	0.02
1,1,1-Trichloroethane	71-55-6	ND	0.02
Carbon tetrachloride	56-23-5	ND	0.02
Bromodichloromethane	75-27-4	ND	0.02
1,2-Dichloropropane	78-87-5	ND	0.02
Cis-1,3-Dichloropropene	10061-01-5	ND	0.02
Trichloroethene	79-01-6	ND	0.02
Benzene	71-43-2	ND	0.01
Dibromochloromethane	124-48-1	ND	0.01
1,1,2-Trichloroethane	79-00-5	ND	0.02
Trans-1,3-Dichloropropene	10061-02-6	ND	0.03
2-Chloroethylvinylether	100-75-8	ND	0.02
Bromoform	75-25-2	ND	0.02
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.02

ND Not detected at or above limit of detection
-- Information not available or not applicable

[a] Detection limit increased due to matrix interference

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00

Sample Identification: CL-7-SE

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection [a] (mg/kg)
Tetrachloroethene	127-18-4	0.03	0.02
Toluene	108-88-3	ND	0.01
Chlorobenzene	108-90-7	ND	0.02
Ethylbenzene	100-41-4	ND	0.02
1,3-Dichlorobenzene	541-73-7	ND	0.02
1,2-Dichlorobenzene	95-50-1	ND	0.02
1,4-Dichlorobenzene	106-46-7	ND	0.02
Freon 113	76-13-1	ND	0.02
Total Xylenes	1330-20-7	0.07	0.02
Acetone	67-64-1	0.2	0.1
2-Butanone	78-93-3	ND	0.1
4-Methyl-2-pentanone	108-10-1	ND	0.1
2-Hexanone	591-78-6	ND	0.1
Vinyl acetate	108-05-4	ND	0.05
Carbon disulfide	75-15-0	ND	0.02
Styrene	100-42-5	ND	0.02

Surrogates		Recovery (%)	QC Limits (%) LCL	UCL
1,2-Dichloroethane-d4	---	90	57 -	163
Toluene-d8	2037-26-5	98	74 -	129
Bromofluorobenzene	460-00-4	88	60 -	132

ND Not detected at or above limit of detection
-- Information not available or not applicable

[a] Detection limit increased due to matrix interference

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.71

Sample Identification:	CL-8-SW	Date Sampled:	11/06/91
Lab Number:	9111071-08A	Date Received:	11/07/91
Sample Matrix/Media:	SOIL	Date Prepared:	11/09/91
Preparation Method:	EPA 5030	Date Analyzed:	11/09/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection [a] (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.05
Bromomethane	74-83-9	ND	0.02
Vinyl chloride	75-01-4	ND	0.02
Chloroethane	75-00-3	ND	0.02
Methylene chloride	75-09-2	ND	0.05
Trichlorofluoromethane	75-69-4	ND	0.02
1,1-Dichloroethene	75-35-4	ND	0.02
1,1-Dichloroethane	75-35-3	ND	0.02
Trans-1,2-Dichloroethene	156-60-5	ND	0.02
Cis-1,2-Dichloroethene	156-59-2	ND	0.02
Chloroform	67-66-3	ND	0.02
1,2-Dichloroethane	107-06-2	ND	0.02
1,1,1-Trichloroethane	71-55-6	ND	0.02
Carbon tetrachloride	56-23-5	ND	0.02
Bromodichloromethane	75-27-4	ND	0.02
1,2-Dichloropropane	78-87-5	ND	0.02
Cis-1,3-Dichloropropene	10061-01-5	ND	0.02
Trichloroethene	79-01-6	ND	0.02
Benzene	71-43-2	ND	0.01
Dibromochloromethane	124-48-1	ND	0.01
1,1,2-Trichloroethane	79-00-5	ND	0.02
Trans-1,3-Dichloropropene	10061-02-6	ND	0.03
2-Chloroethylvinylether	100-75-8	ND	0.02
Bromoform	75-25-2	ND	0.02
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.02

ND Not detected at or above limit of detection
-- Information not available or not applicable

[a] Detection limit increased due to matrix interference

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00

Sample Identification: CL-8-SW

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection [a] (mg/kg)
Tetrachloroethene	127-18-4	0.03	0.02
Toluene	108-88-3	0.06	0.01
Chlorobenzene	108-90-7	ND	0.02
Ethylbenzene	100-41-4	ND	0.02
1,3-Dichlorobenzene	541-73-7	ND	0.02
1,2-Dichlorobenzene	95-50-1	ND	0.02
1,4-Dichlorobenzene	106-46-7	ND	0.02
Freon 113	76-13-1	ND	0.02
Total Xylenes	1330-20-7	0.06	0.02
Acetone	67-64-1	0.4	0.1
2-Butanone	78-93-3	ND	0.1
4-Methyl-2-pentanone	108-10-1	ND	0.1
2-Hexanone	591-78-6	ND	0.1
Vinyl acetate	108-05-4	ND	0.05
Carbon disulfide	75-15-0	ND	0.02
Styrene	100-42-5	ND	0.02

Surrogates		Recovery (%)	QC Limits (%) LCL	UCL
1,2-Dichloroethane-d4	---	88	57 -	163
Toluene-d8	2037-26-5	92	74 -	129
Bromofluorobenzene	460-00-4	78	60 -	132

ND Not detected at or above limit of detection
-- Information not available or not applicable

[a] Detection limit increased due to matrix interference

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.71

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9111071-09A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Prepared:	11/09/91
Preparation Method:	EPA 5030	Date Analyzed:	11/09/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00

Sample Identification: METHOD BLANK

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Tetrachloroethene	127-18-4	ND	0.004
Toluene	108-88-3	ND	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	ND	0.003
Total Xylenes	1330-20-7	ND	0.003
Acetone	67-64-1	ND	0.02
2-Butanone	78-93-3	ND	0.02
4-Methyl-2-pentanone	108-10-1	ND	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003

Surrogates		Recovery (%)	QC Limits (%) LCL	UCL
1,2-Dichloroethane-d4	---	92	57 -	163
Toluene-d8	2037-26-5	96	74 -	129
Bromofluorobenzene	460-00-4	88	60 -	132

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.71

Sample Identification: CL-1-B
Lab Number: 9111071-01A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: 11/06/91
Date Received: 11/07/91
Date Extracted: 11/08/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/12/91	6010	Antimony	<0.1	15	0.1
11/11/91	7060	Arsenic	0.12	5.0	0.05
11/12/91	6010	Barium	2.9	100	0.1
11/12/91	6010	Beryllium	<0.05	0.75	0.05
11/12/91	6010	Cadmium	<0.05	1.0	0.05
11/12/91	6010	Chromium	<0.1	560	0.1
11/12/91	6010	Cobalt	0.2	80	0.1
11/12/91	6010	Copper	<0.1	25	0.1
11/12/91	6010	Lead	<0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/12/91	6010	Molybdenum	0.2	350	0.1
11/12/91	6010	Nickel	0.2	20	0.1
11/11/91	7740	Selenium	<0.05	1.0	0.05
11/12/91	6010	Silver	<0.1	5	0.1
11/12/91	6010	Thallium	<0.2	7.0	0.2
11/12/91	6010	Vanadium	0.4	24	0.1
11/12/91	6010	Zinc	0.1	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.71

Sample Identification: CL-2-B
Lab Number: 9111071-02A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: 11/06/91
Date Received: 11/07/91
Date Extracted: 11/08/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/12/91	6010	Antimony	<0.1	15	0.1
11/11/91	7060	Arsenic	0.09	5.0	0.05
11/12/91	6010	Barium	3.0	100	0.1
11/12/91	6010	Beryllium	<0.05	0.75	0.05
11/12/91	6010	Cadmium	<0.05	1.0	0.05
11/12/91	6010	Chromium	<0.1	560	0.1
11/12/91	6010	Cobalt	0.3	80	0.1
11/12/91	6010	Copper	<0.1	25	0.1
11/12/91	6010	Lead	<0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/12/91	6010	Molybdenum	<0.1	350	0.1
11/12/91	6010	Nickel	0.2	20	0.1
11/11/91	7740	Selenium	<0.05	1.0	0.05
11/12/91	6010	Silver	<0.1	5	0.1
11/12/91	6010	Thallium	<0.2	7.0	0.2
11/12/91	6010	Vanadium	0.4	24	0.1
11/12/91	6010	Zinc	0.1	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.71

Sample Identification: CL-3-S
Lab Number: 9111071-03A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: 11/06/91
Date Received: 11/07/91
Date Extracted: 11/08/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/12/91	6010	Antimony	<0.1	15	0.1
11/11/91	7060	Arsenic	0.11	5.0	0.05
11/12/91	6010	Barium	4.7	100	0.1
11/12/91	6010	Beryllium	<0.05	0.75	0.05
11/12/91	6010	Cadmium	<0.05	1.0	0.05
11/12/91	6010	Chromium	<0.1	560	0.1
11/12/91	6010	Cobalt	0.2	80	0.1
11/12/91	6010	Copper	0.2	25	0.1
11/12/91	6010	Lead	<0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/12/91	6010	Molybdenum	0.1	350	0.1
11/12/91	6010	Nickel	0.4	20	0.1
11/11/91	7740	Selenium	<0.05	1.0	0.05
11/12/91	6010	Silver	<0.1	5	0.1
11/12/91	6010	Thallium	<0.2	7.0	0.2
11/12/91	6010	Vanadium	0.5	24	0.1
11/12/91	6010	Zinc	0.3	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.71

Sample Identification:	CL-4-E	Date Sampled:	11/06/91
Lab Number:	9111071-04A	Date Received:	11/07/91
Sample Matrix/Media:	SOIL	Date Extracted:	11/08/91
Extraction Method:	22CAC66700	Date Analyzed:	See below
Analytical Method:	See below		

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/12/91	6010	Antimony	0.1	15	0.1
11/11/91	7060	Arsenic	0.12	5.0	0.05
11/12/91	6010	Barium	4.3	100	0.1
11/12/91	6010	Beryllium	<0.05	0.75	0.05
11/12/91	6010	Cadmium	<0.05	1.0	0.05
11/12/91	6010	Chromium	<0.1	560	0.1
11/12/91	6010	Cobalt	0.2	80	0.1
11/12/91	6010	Copper	<0.1	25	0.1
11/12/91	6010	Lead	<0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/12/91	6010	Molybdenum	2.6	350	0.1
11/12/91	6010	Nickel	1.5	20	0.1
11/11/91	7740	Selenium	<0.05	1.0	0.05
11/12/91	6010	Silver	<0.1	5	0.1
11/12/91	6010	Thallium	<0.2	7.0	0.2
11/12/91	6010	Vanadium	0.6	24	0.1
11/12/91	6010	Zinc	0.4	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.71

Sample Identification: CL-5-W
Lab Number: 9111071-05A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: 11/06/91
Date Received: 11/07/91
Date Extracted: 11/08/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/12/91	6010	Antimony	<0.1	15	0.1
11/11/91	7060	Arsenic	0.11	5.0	0.05
11/12/91	6010	Barium	4.0	100	0.1
11/12/91	6010	Beryllium	<0.05	0.75	0.05
11/12/91	6010	Cadmium	<0.05	1.0	0.05
11/12/91	6010	Chromium	<0.1	560	0.1
11/12/91	6010	Cobalt	0.2	80	0.1
11/12/91	6010	Copper	<0.1	25	0.1
11/12/91	6010	Lead	<0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/12/91	6010	Molybdenum	1.8	350	0.1
11/12/91	6010	Nickel	0.3	20	0.1
11/11/91	7740	Selenium	<0.05	1.0	0.05
11/12/91	6010	Silver	<0.1	5	0.1
11/12/91	6010	Thallium	<0.2	7.0	0.2
11/12/91	6010	Vanadium	0.7	24	0.1
11/12/91	6010	Zinc	0.3	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.71

Sample Identification: CL-6-N
Lab Number: 9111071-06A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: 11/06/91
Date Received: 11/07/91
Date Extracted: 11/08/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/12/91	6010	Antimony	<0.1	15	0.1
11/11/91	7060	Arsenic	0.10	5.0	0.05
11/12/91	6010	Barium	4.0	100	0.1
11/12/91	6010	Beryllium	<0.05	0.75	0.05
11/12/91	6010	Cadmium	<0.05	1.0	0.05
11/12/91	6010	Chromium	<0.1	560	0.1
11/12/91	6010	Cobalt	0.2	80	0.1
11/12/91	6010	Copper	<0.1	25	0.1
11/12/91	6010	Lead	<0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/12/91	6010	Molybdenum	1.9	350	0.1
11/12/91	6010	Nickel	0.3	20	0.1
11/11/91	7740	Selenium	<0.05	1.0	0.05
11/12/91	6010	Silver	<0.1	5	0.1
11/12/91	6010	Thallium	<0.2	7.0	0.2
11/12/91	6010	Vanadium	0.7	24	0.1
11/12/91	6010	Zinc	0.6	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.71

Sample Identification: CL-7-SE
Lab Number: 9111071-07A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: 11/06/91
Date Received: 11/07/91
Date Extracted: 11/08/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/12/91	6010	Antimony	0.1	15	0.1
11/12/91	7060	Arsenic	0.14	5.0	0.05
11/12/91	6010	Barium	6.3	100	0.1
11/12/91	6010	Beryllium	<0.05	0.75	0.05
11/12/91	6010	Cadmium	<0.05	1.0	0.05
11/12/91	6010	Chromium	<0.1	560	0.1
11/12/91	6010	Cobalt	0.3	80	0.1
11/12/91	6010	Copper	<0.1	25	0.1
11/12/91	6010	Lead	<0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/12/91	6010	Molybdenum	2.7	350	0.1
11/12/91	6010	Nickel	1.8	20	0.1
11/11/91	7740	Selenium	<0.05	1.0	0.05
11/12/91	6010	Silver	<0.1	5	0.1
11/12/91	6010	Thallium	<0.2	7.0	0.2
11/12/91	6010	Vanadium	0.7	24	0.1
11/12/91	6010	Zinc	0.4	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.71

Sample Identification: CL-8-SW
Lab Number: 9111071-08A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: 11/06/91
Date Received: 11/07/91
Date Extracted: 11/08/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/12/91	6010	Antimony	<0.1	15	0.1
11/11/91	7060	Arsenic	0.13	5.0	0.05
11/12/91	6010	Barium	4.2	100	0.1
11/12/91	6010	Beryllium	<0.05	0.75	0.05
11/12/91	6010	Cadmium	<0.05	1.0	0.05
11/12/91	6010	Chromium	<0.1	560	0.1
11/12/91	6010	Cobalt	0.3	80	0.1
11/12/91	6010	Copper	<0.1	25	0.1
11/12/91	6010	Lead	<0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/12/91	6010	Molybdenum	2.1	350	0.1
11/12/91	6010	Nickel	0.3	20	0.1
11/11/91	7740	Selenium	<0.05	1.0	0.05
11/12/91	6010	Silver	<0.1	5	0.1
11/12/91	6010	Thallium	<0.2	7.0	0.2
11/12/91	6010	Vanadium	0.7	24	0.1
11/12/91	6010	Zinc	0.2	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.71

Sample Identification: METHOD BLANK
Lab Number: 9111071-09A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: --
Date Received: --
Date Extracted: 11/08/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/12/91	6010	Antimony	<0.1	15	0.1
11/11/91	7060	Arsenic	<0.05	5.0	0.05
11/12/91	6010	Barium	<0.1	100	0.1
11/12/91	6010	Beryllium	<0.05	0.75	0.05
11/12/91	6010	Cadmium	<0.05	1.0	0.05
11/12/91	6010	Chromium	<0.1	560	0.1
11/12/91	6010	Cobalt	<0.1	80	0.1
11/12/91	6010	Copper	<0.1	25	0.1
11/12/91	6010	Lead	<0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/12/91	6010	Molybdenum	<0.1	350	0.1
11/12/91	6010	Nickel	<0.1	20	0.1
11/11/91	7740	Selenium	<0.05	1.0	0.05
11/12/91	6010	Silver	<0.1	5	0.1
11/12/91	6010	Thallium	<0.2	7.0	0.2
11/12/91	6010	Vanadium	<0.1	24	0.1
11/12/91	6010	Zinc	<0.1	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.71

Sample Matrix/Media: SOIL
Analysis Method: EPA 418.1 (Modified)
Date Received: 11/07/91
Date Analyzed: 11/11/91

Lab No.	Sample ID	Date Sampled	TRPH* (mg/kg)
01A	CL-1-B	11/06/91	3,700
02A	CL-2-B	11/06/91	<10
03A	CL-3-S	11/06/91	3,400
04A	CL-4-E	11/06/91	25,000
05A	CL-5-W	11/06/91	16,000
06A	CL-6-N	11/06/91	21,000
07A	CL-7-SE	11/06/91	15,000
08A	CL-8-SW	11/06/91	18,000
09A	METHOD BLANK	--	<10
Detection Limit:			10

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable
* Total Recoverable Petroleum Hydrocarbons

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.71

Sample Matrix/Media: SOIL
Analysis Method: EPA 7196

Date Received: 11/07/91
Date Analyzed: 11/07/91

Lab No.	Sample ID	Date Sampled	Hexavalent Chromium (mg/kg)
01A	CL-1-B	11/06/91	<0.1
02A	CL-2-B	11/06/91	<0.1
03A	CL-3-S	11/06/91	<0.1
04A	CL-4-E	11/06/91	<0.1
05A	CL-5-W	11/06/91	<0.1
06A	CL-6-N	11/06/91	<0.1
07A	CL-7-SE	11/06/91	<0.1
08A	CL-8-SW	11/06/91	<0.1
09A	METHOD BLANK	--	<0.1
Detection Limit:			0.1

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.71

Sample Matrix/Media: SOIL
Preparation Method: EPA 3050
Analysis Method: EPA 6010

Date Received: 11/07/91
Date Prepared: 11/11/91
Date Analyzed: 11/12/91

Lab No.	Sample ID	Date Sampled	Copper (mg/kg)
01A	CL-1-B	11/06/91	19
02A	CL-2-B	11/06/91	21
03A	CL-3-S	11/06/91	29
04A	CL-4-E	11/06/91	29
05A	CL-5-W	11/06/91	25
06A	CL-6-N	11/06/91	24
07A	CL-7-SE	11/06/91	28
08A	CL-8-SW	11/06/91	25
09A	METHOD BLANK	--	<1
Detection Limit:			1

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.71

Sample Matrix/Media: SOIL
Preparation Method: EPA 3050
Analysis Method: EPA 6010

Date Received: 11/07/91
Date Prepared: 11/11/91
Date Analyzed: 11/12/91

Lab No.	Sample ID	Date Sampled	Nickel (mg/kg)
01A	CL-1-B	11/06/91	19
02A	CL-2-B	11/06/91	19
03A	CL-3-S	11/06/91	26
04A	CL-4-E	11/06/91	970
05A	CL-5-W	11/06/91	22
06A	CL-6-N	11/06/91	22
07A	CL-7-SE	11/06/91	180
08A	CL-8-SW	11/06/91	21
09A	METHOD BLANK	--	<1
Detection Limit:			1

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

Clayton
ENVIRONMENTAL
CONSULTANTS
A Marsh & McLennan Company

REQUEST FOR LABORATORY ANALYTICAL SERVICES

STOODY 37861.00

For Clayton Use Only | Page 1 of 1
Project No.
Batch No. 9111071
Client No.
Date Logged In 11/8/91 | By

REPORT RESULTS TO
Name GUY ROMINE | Title
Company CLAYTON | Dept. CEE
Mailing Address
City, State, Zip
Telephone No. | Telefax No. 714-229-4805

SEND INVOICE TO
Purchase Order No. | Client Job No.
Name
Company | Dept.
Address
City, State, Zip

Date Results Required: 11-13-91 | Rush Charges Authorized? ☐ Yes ☐ No | ~~Phone~~ Results FAX ☒

Special Instructions: (method, limit of detection, etc.)
SPECIAL BILLING SEE MARYANN

* Explanation of Preservative:

Samples are: (check if applicable)
☐ Drinking Water
☐ Collected in the State of New York

ANALYSIS REQUESTED
(Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added. *)

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	MATRIX/ MEDIA	~~AIR~~ VOLUME (specify units)	Number of Containers	418.1	8240	STLC metals	TTLC metals	COPPER	NICKEL	CR+6			FOR LAB USE ONLY
CL-1-B	11-6-91	SOIL	2x8 33E ~~4~~	1	X	X	X			X	X	X		01
CL-2-B														02
CL-3-S														03
CL-4-E														04
CL-5-W														05
CL-6-N														06
CL-7-SE			✓											07
CL-8-SW	11-6-91	SOIL	✓	1	X	X	X			X	X	X		08

CHAIN OF CUSTODY
Relinquished by: G.K. ROMINE | Date/Time 11-6-91
Relinquished by: | Date/Time
Method of Shipment:

Authorized by: G.K. Romine Date 11-6-91
(Client Signature Must Accompany Request)

Received by: | Date/Time
Received at Lab by: Tracy M. Bull | Date/Time 11/8/91 1030
Sample Condition Upon Receipt: ☒ Acceptable ☐ Other (explain)

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

22345 Roethel Drive
Novi, MI 48375
(313) 344-1770

Raritan Center
160 Fieldcrest Ave.
Edison, NJ 08837
(201) 225-6040

400 Chastain Center Blvd., N.W.
Suite 490
Kennesaw, GA 30144
(404) 499-7500

1252 Quarry Lane
Pleasanton, CA 94566
(415) 426-2600

6/90

DISTRIBUTION:
WHITE - Clayton Laboratory
YELLOW - Clayton Accounting
PINK - Client Copy

Western Operations

1252 Quarry Lane
Pleasanton, CA 94566
(415) 426-2600
Fax (415) 426-0106

Clayton
ENVIRONMENTAL
CONSULTANTS

November 15, 1991

Mr. Guy Romine
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
5785 Corporate Ave., Ste. 150
Cypress, CA 90630

Client Ref. 37861.00
Clayton Project No. 91110.85

Dear Mr. Romine:

Attached is our analytical laboratory report for the samples received on November 8, 1991. A copy of the Chain-of-Custody form acknowledging receipt of these samples is attached.

Please note that any unused portion of the samples will be disposed of 30 days after the date of this report, unless you have requested otherwise.

We appreciate the opportunity to be of assistance to you. If you have any questions, please contact Maryann Gambino, Client Services Supervisor, at (510) 426-2657.

Sincerely,

Maryann Gambino
for
Ronald H. Peters, CIH
Director, Laboratory Services
Western Operations

RHP/tb
Attachments

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.85

Sample Identification:	BH-14-1'	Date Sampled:	11/07/91
Lab Number:	9111085-01A	Date Received:	11/08/91
Sample Matrix/Media:	SOIL	Date Prepared:	11/11/91
Preparation Method:	EPA 5030	Date Analyzed:	11/11/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00

Sample Identification: BH-14-1'

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Tetrachloroethene	127-18-4	ND	0.004
Toluene	108-88-3	ND	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	0.005	0.003
Total Xylenes	1330-20-7	ND	0.003
Acetone	67-64-1	ND	0.02
2-Butanone	78-93-3	ND	0.02
4-Methyl-2-pentanone	108-10-1	ND	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003

Surrogates		Recovery (%)	QC Limits (%) LCL	UCL
1,2-Dichloroethane-d4	---	94	57 -	163
Toluene-d8	2037-26-5	116	74 -	129
Bromofluorobenzene	460-00-4	76	60 -	132

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.85

Sample Identification:	BH-15-1'	Date Sampled:	11/07/91
Lab Number:	9111085-02A	Date Received:	11/08/91
Sample Matrix/Media:	SOIL	Date Prepared:	11/11/91
Preparation Method:	EPA 5030	Date Analyzed:	11/11/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00

Sample Identification: BH-15-1'

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Tetrachloroethene	127-18-4	ND	0.004
Toluene	108-88-3	ND	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	0.005	0.003
Total Xylenes	1330-20-7	ND	0.003
Acetone	67-64-1	ND	0.02
2-Butanone	78-93-3	ND	0.02
4-Methyl-2-pentanone	108-10-1	ND	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003

Surrogates		Recovery (%)	QC Limits (%) LCL	UCL
1,2-Dichloroethane-d4	---	106	57 -	163
Toluene-d8	2037-26-5	116	74 -	129
Bromofluorobenzene	460-00-4	82	60 -	132

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.85

Sample Identification:	BH-15-5'	Date Sampled:	11/07/91
Lab Number:	9111085-03A	Date Received:	11/08/91
Sample Matrix/Media:	SOIL	Date Prepared:	11/11/91
Preparation Method:	EPA 5030	Date Analyzed:	11/11/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00

Sample Identification: BH-15-5'

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Tetrachloroethene	127-18-4	ND	0.004
Toluene	108-88-3	ND	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	0.004	0.003
Total Xylenes	1330-20-7	ND	0.003
Acetone	67-64-1	ND	0.02
2-Butanone	78-93-3	ND	0.02
4-Methyl-2-pentanone	108-10-1	ND	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003

Surrogates		Recovery (%)	QC Limits (%) LCL	UCL
1,2-Dichloroethane-d4	---	108	57 -	163
Toluene-d8	2037-26-5	118	74 -	129
Bromofluorobenzene	460-00-4	78	60 -	132

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.85

Sample Identification:	BH-16-1'	Date Sampled:	11/07/91
Lab Number:	9111085-04A	Date Received:	11/08/91
Sample Matrix/Media:	SOIL	Date Prepared:	11/11/91
Preparation Method:	EPA 5030	Date Analyzed:	11/11/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00

Sample Identification: BH-16-1'

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Tetrachloroethene	127-18-4	ND	0.004
Toluene	108-88-3	ND	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	ND	0.003
Total Xylenes	1330-20-7	ND	0.003
Acetone	67-64-1	ND	0.02
2-Butanone	78-93-3	ND	0.02
4-Methyl-2-pentanone	108-10-1	ND	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003

Surrogates		Recovery (%)	QC Limits (%) LCL	UCL
1,2-Dichloroethane-d4	---	112	57 -	163
Toluene-d8	2037-26-5	120	74 -	129
Bromofluorobenzene	460-00-4	78	60 -	132

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.85

Sample Identification:	BH-16-5'	Date Sampled:	11/07/91
Lab Number:	9111085-05A	Date Received:	11/08/91
Sample Matrix/Media:	SOIL	Date Prepared:	11/11/91
Preparation Method:	EPA 5030	Date Analyzed:	11/11/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00

Sample Identification: BH-16-5'

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Tetrachloroethene	127-18-4	ND	0.004
Toluene	108-88-3	ND	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	ND	0.003
Total Xylenes	1330-20-7	ND	0.003
Acetone	67-64-1	ND	0.02
2-Butanone	78-93-3	ND	0.02
4-Methyl-2-pentanone	108-10-1	ND	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003

Surrogates		Recovery (%)	QC Limits (%) LCL	UCL
1,2-Dichloroethane-d4	---	102	57 -	163
Toluene-d8	2037-26-5	116	74 -	129
Bromofluorobenzene	460-00-4	74	60 -	132

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.85

Sample Identification:	BH-17-1'	Date Sampled:	11/07/91
Lab Number:	9111085-06A	Date Received:	11/08/91
Sample Matrix/Media:	SOIL	Date Prepared:	11/12/91
Preparation Method:	EPA 5030	Date Analyzed:	11/12/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00

Sample Identification: BH-17-1'

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Tetrachloroethene	127-18-4	ND	0.004
Toluene	108-88-3	ND	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	ND	0.003
Total Xylenes	1330-20-7	ND	0.003
Acetone	67-64-1	ND	0.02
2-Butanone	78-93-3	ND	0.02
4-Methyl-2-pentanone	108-10-1	ND	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003

Surrogates		Recovery (%)	QC Limits (%) LCL - UCL
1,2-Dichloroethane-d4	---	94	57 - 163
Toluene-d8	2037-26-5	118	74 - 129
Bromofluorobenzene	460-00-4	80	60 - 132

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.85

Sample Identification:	BH-17-5'	Date Sampled:	11/07/91
Lab Number:	9111085-07A	Date Received:	11/08/91
Sample Matrix/Media:	SOIL	Date Prepared:	11/11/91
Preparation Method:	EPA 5030	Date Analyzed:	11/11/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00

Sample Identification: BH-17-5'

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Tetrachloroethene	127-18-4	ND	0.004
Toluene	108-88-3	ND	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	ND	0.003
Total Xylenes	1330-20-7	ND	0.003
Acetone	67-64-1	ND	0.02
2-Butanone	78-93-3	ND	0.02
4-Methyl-2-pentanone	108-10-1	ND	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003

Surrogates		Recovery (%)	QC Limits (%) LCL	UCL
1,2-Dichloroethane-d4	---	110	57 -	163
Toluene-d8	2037-26-5	124	74 -	129
Bromofluorobenzene	460-00-4	96	60 -	132

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.85

Sample Identification:	BH-18-1'	Date Sampled:	11/07/91
Lab Number:	9111085-08A	Date Received:	11/08/91
Sample Matrix/Media:	SOIL	Date Prepared:	11/11/91
Preparation Method:	EPA 5030	Date Analyzed:	11/11/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00

Sample Identification: BH-18-1'

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Tetrachloroethene	127-18-4	0.007	0.004
Toluene	108-88-3	ND	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	ND	0.003
Total Xylenes	1330-20-7	ND	0.003
Acetone	67-64-1	ND	0.02
2-Butanone	78-93-3	ND	0.02
4-Methyl-2-pentanone	108-10-1	ND	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003

Surrogates		Recovery (%)	QC Limits (%) LCL	UCL
1,2-Dichloroethane-d4	---	112	57 -	163
Toluene-d8	2037-26-5	118	74 -	129
Bromofluorobenzene	460-00-4	84	60 -	132

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.85

Sample Identification:	BH-18-5'	Date Sampled:	11/07/91
Lab Number:	9111085-09A	Date Received:	11/08/91
Sample Matrix/Media:	SOIL	Date Prepared:	11/11/91
Preparation Method:	EPA 5030	Date Analyzed:	11/11/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00

Sample Identification: BH-18-5'

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Tetrachloroethene	127-18-4	ND	0.004
Toluene	108-88-3	ND	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	ND	0.003
Total Xylenes	1330-20-7	ND	0.003
Acetone	67-64-1	ND	0.02
2-Butanone	78-93-3	ND	0.02
4-Methyl-2-pentanone	108-10-1	ND	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003

Surrogates		Recovery (%)	QC Limits (%) LCL	UCL
1,2-Dichloroethane-d4	---	118	57 -	163
Toluene-d8	2037-26-5	122	74 -	129
Bromofluorobenzene	460-00-4	84	60 -	132

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.85

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9111085-10A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Prepared:	11/11/91
Preparation Method:	EPA 5030	Date Analyzed:	11/11/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00

Sample Identification: METHOD BLANK

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Tetrachloroethene	127-18-4	ND	0.004
Toluene	108-88-3	ND	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	ND	0.003
Total Xylenes	1330-20-7	ND	0.003
Acetone	67-64-1	ND	0.02
2-Butanone	78-93-3	ND	0.02
4-Methyl-2-pentanone	108-10-1	ND	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003

Surrogates		Recovery (%)	QC Limits (%) LCL	UCL
1,2-Dichloroethane-d4	---	110	57 -	163
Toluene-d8	2037-26-5	116	74 -	129
Bromofluorobenzene	460-00-4	80	60 -	132

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.85

Sample Identification: BH-14-1'
Lab Number: 9111085-01A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: 11/07/91
Date Received: 11/08/91
Date Extracted: 11/08/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/12/91	6010	Antimony	<0.1	15	0.1
11/13/91	7060	Arsenic	0.07	5.0	0.05
11/12/91	6010	Barium	4.0	100	0.1
11/12/91	6010	Beryllium	<0.05	0.75	0.05
11/12/91	6010	Cadmium	<0.05	1.0	0.05
11/12/91	6010	Chromium	<0.1	560	0.1
11/12/91	6010	Cobalt	0.4	80	0.1
11/12/91	6010	Copper	0.4	25	0.1
11/12/91	6010	Lead	<0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/12/91	6010	Molybdenum	<0.1	350	0.1
11/12/91	6010	Nickel	0.4	20	0.1
11/13/91	7740	Selenium	<0.05	1.0	0.05
11/12/91	6010	Silver	<0.1	5	0.1
11/12/91	6010	Thallium	<0.2	7.0	0.2
11/12/91	6010	Vanadium	0.3	24	0.1
11/12/91	6010	Zinc	0.1	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.85

Sample Identification: BH-15-1'
Lab Number: 9111085-02A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: 11/07/91
Date Received: 11/08/91
Date Extracted: 11/08/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/12/91	6010	Antimony	<0.1	15	0.1
11/13/91	7060	Arsenic	0.09	5.0	0.05
11/12/91	6010	Barium	4.6	100	0.1
11/12/91	6010	Beryllium	<0.05	0.75	0.05
11/12/91	6010	Cadmium	<0.05	1.0	0.05
11/12/91	6010	Chromium	<0.1	560	0.1
11/12/91	6010	Cobalt	0.4	80	0.1
11/12/91	6010	Copper	0.2	25	0.1
11/12/91	6010	Lead	<0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/12/91	6010	Molybdenum	0.5	350	0.1
11/12/91	6010	Nickel	0.4	20	0.1
11/13/91	7740	Selenium	<0.05	1.0	0.05
11/12/91	6010	Silver	<0.1	5	0.1
11/12/91	6010	Thallium	<0.2	7.0	0.2
11/12/91	6010	Vanadium	0.3	24	0.1
11/12/91	6010	Zinc	<0.1	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.85

Sample Identification: BH-15-5'
Lab Number: 9111085-03A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: 11/07/91
Date Received: 11/08/91
Date Extracted: 11/08/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/12/91	6010	Antimony	<0.1	15	0.1
11/13/91	7060	Arsenic	0.14	5.0	0.05
11/12/91	6010	Barium	2.4	100	0.1
11/12/91	6010	Beryllium	<0.05	0.75	0.05
11/12/91	6010	Cadmium	<0.05	1.0	0.05
11/12/91	6010	Chromium	<0.1	560	0.1
11/12/91	6010	Cobalt	0.3	80	0.1
11/12/91	6010	Copper	0.1	25	0.1
11/12/91	6010	Lead	<0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/12/91	6010	Molybdenum	<0.1	350	0.1
11/12/91	6010	Nickel	0.5	20	0.1
11/13/91	7740	Selenium	<0.05	1.0	0.05
11/12/91	6010	Silver	<0.1	5	0.1
11/12/91	6010	Thallium	<0.2	7.0	0.2
11/12/91	6010	Vanadium	0.3	24	0.1
11/12/91	6010	Zinc	<0.1	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.85

Sample Identification: BH-16-1'
Lab Number: 9111085-04A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: 11/07/91
Date Received: 11/08/91
Date Extracted: 11/08/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/12/91	6010	Antimony	<0.1	15	0.1
11/13/91	7060	Arsenic	0.09	5.0	0.05
11/12/91	6010	Barium	4.9	100	0.1
11/12/91	6010	Beryllium	<0.05	0.75	0.05
11/12/91	6010	Cadmium	<0.05	1.0	0.05
11/12/91	6010	Chromium	<0.1	560	0.1
11/12/91	6010	Cobalt	0.6	80	0.1
11/12/91	6010	Copper	0.2	25	0.1
11/12/91	6010	Lead	<0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/12/91	6010	Molybdenum	0.5	350	0.1
11/12/91	6010	Nickel	0.4	20	0.1
11/13/91	7740	Selenium	<0.05	1.0	0.05
11/12/91	6010	Silver	<0.1	5	0.1
11/12/91	6010	Thallium	<0.2	7.0	0.2
11/12/91	6010	Vanadium	0.4	24	0.1
11/12/91	6010	Zinc	0.3	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.85

Sample Identification: BH-16-5'
Lab Number: 9111085-05A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: 11/07/91
Date Received: 11/08/91
Date Extracted: 11/08/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/12/91	6010	Antimony	<0.1	15	0.1
11/13/91	7060	Arsenic	0.14	5.0	0.05
11/12/91	6010	Barium	4.7	100	0.1
11/12/91	6010	Beryllium	<0.05	0.75	0.05
11/12/91	6010	Cadmium	<0.05	1.0	0.05
11/12/91	6010	Chromium	<0.1	560	0.1
11/12/91	6010	Cobalt	0.4	80	0.1
11/12/91	6010	Copper	0.2	25	0.1
11/12/91	6010	Lead	<0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/12/91	6010	Molybdenum	<0.1	350	0.1
11/12/91	6010	Nickel	0.5	20	0.1
11/13/91	7740	Selenium	<0.05	1.0	0.05
11/12/91	6010	Silver	<0.1	5	0.1
11/12/91	6010	Thallium	<0.2	7.0	0.2
11/12/91	6010	Vanadium	0.4	24	0.1
11/12/91	6010	Zinc	<0.1	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.85

Sample Identification: BH-17-1'
Lab Number: 9111085-06A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: 11/07/91
Date Received: 11/08/91
Date Extracted: 11/08/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/12/91	6010	Antimony	<0.1	15	0.1
11/13/91	7060	Arsenic	0.18	5.0	0.05
11/12/91	6010	Barium	3.4	100	0.1
11/12/91	6010	Beryllium	<0.05	0.75	0.05
11/12/91	6010	Cadmium	<0.05	1.0	0.05
11/12/91	6010	Chromium	<0.1	560	0.1
11/12/91	6010	Cobalt	0.6	80	0.1
11/12/91	6010	Copper	0.7	25	0.1
11/12/91	6010	Lead	<0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/12/91	6010	Molybdenum	<0.1	350	0.1
11/12/91	6010	Nickel	0.4	20	0.1
11/13/91	7740	Selenium	<0.05	1.0	0.05
11/12/91	6010	Silver	<0.1	5	0.1
11/12/91	6010	Thallium	<0.2	7.0	0.2
11/12/91	6010	Vanadium	0.7	24	0.1
11/12/91	6010	Zinc	0.7	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.85

Sample Identification:	BH-17-5'	Date Sampled:	11/07/91
Lab Number:	9111085-07A	Date Received:	11/08/91
Sample Matrix/Media:	SOIL	Date Extracted:	11/08/91
Extraction Method:	22CAC66700	Date Analyzed:	See below
Analytical Method:	See below		

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/12/91	6010	Antimony	<0.1	15	0.1
11/13/91	7060	Arsenic	0.16	5.0	0.05
11/12/91	6010	Barium	5.9	100	0.1
11/12/91	6010	Beryllium	<0.05	0.75	0.05
11/12/91	6010	Cadmium	<0.05	1.0	0.05
11/12/91	6010	Chromium	<0.1	560	0.1
11/12/91	6010	Cobalt	0.4	80	0.1
11/12/91	6010	Copper	0.2	25	0.1
11/12/91	6010	Lead	<0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/12/91	6010	Molybdenum	<0.1	350	0.1
11/12/91	6010	Nickel	0.6	20	0.1
11/13/91	7740	Selenium	<0.05	1.0	0.05
11/12/91	6010	Silver	<0.1	5	0.1
11/12/91	6010	Thallium	<0.2	7.0	0.2
11/12/91	6010	Vanadium	0.4	24	0.1
11/12/91	6010	Zinc	<0.1	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.85

Sample Identification: BH-18-1'
Lab Number: 9111085-08A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: 11/07/91
Date Received: 11/08/91
Date Extracted: 11/08/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/12/91	6010	Antimony	<0.1	15	0.1
11/13/91	7060	Arsenic	0.10	5.0	0.05
11/12/91	6010	Barium	4.2	100	0.1
11/12/91	6010	Beryllium	<0.05	0.75	0.05
11/12/91	6010	Cadmium	<0.05	1.0	0.05
11/12/91	6010	Chromium	<0.1	560	0.1
11/12/91	6010	Cobalt	0.5	80	0.1
11/12/91	6010	Copper	0.2	25	0.1
11/12/91	6010	Lead	<0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/12/91	6010	Molybdenum	<0.1	350	0.1
11/12/91	6010	Nickel	0.5	20	0.1
11/13/91	7740	Selenium	<0.05	1.0	0.05
11/12/91	6010	Silver	<0.1	5	0.1
11/12/91	6010	Thallium	<0.2	7.0	0.2
11/12/91	6010	Vanadium	0.3	24	0.1
11/12/91	6010	Zinc	<0.1	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.85

Sample Identification: BH-18-5'
Lab Number: 9111085-09A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: 11/07/91
Date Received: 11/08/91
Date Extracted: 11/08/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/12/91	6010	Antimony	<0.1	15	0.1
11/13/91	7060	Arsenic	<0.05	5.0	0.05
11/12/91	6010	Barium	5.7	100	0.1
11/12/91	6010	Beryllium	<0.05	0.75	0.05
11/12/91	6010	Cadmium	<0.05	1.0	0.05
11/12/91	6010	Chromium	<0.1	560	0.1
11/12/91	6010	Cobalt	0.5	80	0.1
11/12/91	6010	Copper	0.2	25	0.1
11/12/91	6010	Lead	<0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/12/91	6010	Molybdenum	<0.1	350	0.1
11/12/91	6010	Nickel	0.5	20	0.1
11/13/91	7740	Selenium	<0.05	1.0	0.05
11/12/91	6010	Silver	<0.1	5	0.1
11/12/91	6010	Thallium	<0.2	7.0	0.2
11/12/91	6010	Vanadium	0.4	24	0.1
11/12/91	6010	Zinc	<0.1	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.85

Sample Identification: METHOD BLANK
Lab Number: 9111085-10A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: --
Date Received: --
Date Extracted: 11/08/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
11/12/91	6010	Antimony	<0.1	15	0.1
11/13/91	7060	Arsenic	<0.05	5.0	0.05
11/12/91	6010	Barium	<0.1	100	0.1
11/12/91	6010	Beryllium	<0.05	0.75	0.05
11/12/91	6010	Cadmium	<0.05	1.0	0.05
11/12/91	6010	Chromium	<0.1	560	0.1
11/12/91	6010	Cobalt	<0.1	80	0.1
11/12/91	6010	Copper	<0.1	25	0.1
11/12/91	6010	Lead	<0.1	5.0	0.1
11/12/91	7470	Mercury	<0.01	0.2	0.01
11/12/91	6010	Molybdenum	<0.1	350	0.1
11/12/91	6010	Nickel	<0.1	20	0.1
11/13/91	7740	Selenium	<0.05	1.0	0.05
11/12/91	6010	Silver	<0.1	5	0.1
11/12/91	6010	Thallium	<0.2	7.0	0.2
11/12/91	6010	Vanadium	<0.1	24	0.1
11/12/91	6010	Zinc	<0.1	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.85

Sample Matrix/Media: SOIL
Preparation Method: EPA 3050
Analysis Method: EPA 6010

Date Received: 11/08/91
Date Prepared: 11/14/91
Date Analyzed: 11/14/91

Lab No.	Sample ID	Date Sampled	Copper (mg/kg)
01A	BH-14-1'	11/07/91	26
02A	BH-15-1'	11/07/91	27
03A	BH-15-5'	11/07/91	30
04A	BH-16-1'	11/07/91	27
05A	BH-16-5'	11/07/91	19
06A	BH-17-1'	11/07/91	34
07A	BH-17-5'	11/07/91	28
08A	BH-18-1'	11/07/91	31
09A	BH-18-5'	11/07/91	30
10A	METHOD BLANK	--	<1
Detection Limit:			1

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.85

Sample Matrix/Media: SOIL
Preparation Method: EPA 3050
Analysis Method: EPA 6010

Date Received: 11/08/91
Date Prepared: 11/14/91
Date Analyzed: 11/14/91

Lab No.	Sample ID	Date Sampled	Nickel (mg/kg)
01A	BH-14-1'	11/07/91	24
02A	BH-15-1'	11/07/91	21
03A	BH-15-5'	11/07/91	26
04A	BH-16-1'	11/07/91	22
05A	BH-16-5'	11/07/91	19
06A	BH-17-1'	11/07/91	19
07A	BH-17-5'	11/07/91	26
08A	BH-18-1'	11/07/91	28
09A	BH-18-5'	11/07/91	26
10A	METHOD BLANK	--	<1
Detection Limit:			1

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.85

Sample Matrix/Media: SOIL
Analysis Method: EPA 7196
Date Received: 11/08/91
Date Analyzed: 11/08/91

Lab No.	Sample ID	Date Sampled	Hexavalent Chromium (mg/kg)
01A	BH-14-1'	11/07/91	<0.1
02A	BH-15-1'	11/07/91	<0.1
03A	BH-15-5'	11/07/91	<0.1
04A	BH-16-1'	11/07/91	<0.1
05A	BH-16-5'	11/07/91	<0.1
06A	BH-17-1'	11/07/91	<0.1
07A	BH-17-5'	11/07/91	<0.1
08A	BH-18-1'	11/07/91	<0.1
09A	BH-18-5'	11/07/91	<0.1
10A	METHOD BLANK	--	<0.1
Detection Limit:			0.1

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91110.85

Sample Matrix/Media: SOIL
Analysis Method: EPA 418.1 (Modified)
Date Received: 11/08/91
Date Analyzed: 11/11/91

Lab No.	Sample ID	Date Sampled	TRPH* (mg/kg)
01A	BH-14-1'	11/07/91	<10
02A	BH-15-1'	11/07/91	<10
03A	BH-15-5'	11/07/91	<10
04A	BH-16-1'	11/07/91	210
05A	BH-16-5'	11/07/91	<10
06A	BH-17-1'	11/07/91	<10
07A	BH-17-5'	11/07/91	<10
08A	BH-18-1'	11/07/91	<10
09A	BH-18-5'	11/07/91	<10
10A	METHOD BLANK	--	<10
Detection Limit:			10

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

*Total Recoverable Petroleum Hydrocarbons

Quality Assurance Results Summary
for
Clayton Project No. 91110.85

Clayton Lab Number: 9111085-01A
Ext./Prep. Method:
Date: / /
Analyst:
Std. Source: M911101-02W
Sample Matrix/Media: SOIL

Analytical Method: EPA8240
Instrument ID: 02831
Date: 11/11/91
Time: 23:02
Analyst: JH
Units: MG/KG

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
1,1-DICHLOROETHENE	ND	0.0500	0.0420	84	0.0390	78	81	14	203	7.4	29
BENZENE	ND	0.0500	0.0370	74	0.0430	86	80	60	138	15	17
CHLOROBENZENE	ND	0.0500	0.0470	94	0.0480	96	95	72	133	2.1	21
TOLUENE	ND	0.0500	0.0460	92	0.0430	98	95	68	132	6.3	15
TRICHLOROETHENE	ND	0.0500	0.0450	90	0.0450	90	90	64	127	0.0	23

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection
LCL = Lower Control Limit
UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Quality Assurance Results Summary
for
Clayton Project No. 91110.85

Clayton Lab Number:	9111084-01A	Analytical Method:	EPA6010
Ext./Prep. Method:	EPA3050	Instrument ID:	03891
Date:	11/13/91	Date:	11/14/91
Analyst:	JSL	Time:	1 :
Std. Source:	VHG10140	Analyst:	JSL
Sample Matrix/Media:	SOIL	Units:	MG/KG

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
ANTIMONY	ND	50.0	45.8	92	46.1	92	92	47	127	0.7	25
ARSENIC	ND	50.0	46.0	92	44.5	89	91	73	114	3.3	25
BARIUM	88.0	50.0	136	96	142	108	102	47	156	4.3	25
BERYLLIUM	1.20	50.0	50.6	99	50.7	99	99	76	112	0.2	25
CADMIUM	ND	50.0	48.2	96	48.5	97	97	81	111	0.6	25
CHROMIUM	29.0	50.0	71.3	85	75.1	92	88	67	132	5.2	25
COBALT	9.00	50.0	53.1	88	53.7	89	89	72	115	1.1	25
COPPER	37.0	50.0	84.2	94	88.0	102	98	70	129	4.4	25
LEAD	26.0	50.0	71.8	92	75.8	100	96	66	121	5.4	25
MOLYBDENUM	ND	50.0	45.6	91	45.5	91	91	65	117	0.2	25
NICKEL	21.0	50.0	62.7	83	64.8	88	86	59	130	3.3	25
SELENIUM	ND	50.0	46.1	92	44.4	89	91	63	120	3.8	25
SILVER	ND	50.0	50.2	100	50.3	101	101	80	115	0.2	25
THALLIUM	ND	50.0	41.3	83	42.0	84	83	67	109	1.7	25
VANADIUM	74.0	50.0	112	76	123	98	87	72	124	9.4	25
ZINC	54.0	50.0	99.4	91	105	102	96	62	139	5.5	25

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection
LCL = Lower Control Limit
UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Quality Assurance Results Summary
for
Clayton Project No. 91110.85

Clayton Lab Number: 9111085-01A
Ext./Prep. Method: EPA3010
Date: 11/12/91
Analyst: SUE
Std. Source: VHG10140
Sample Matrix/Media: STLC

Analytical Method: EPA6010
Instrument ID: 03891
Date: 11/12/91
Time: 7 :
Analyst: SUE
Units: MG/L

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
ANTIMONY	ND	10.0	9.54	95	9.67	97	96	76	116	1.4	20
BARIUM	4.00	10.0	13.2	92	13.1	91	92	73	113	0.8	20
BERYLLIUM	ND	10.0	9.57	96	9.61	96	96	73	113	0.4	20
CADMIUM	ND	10.0	9.42	94	9.52	95	95	76	116	1.1	20
CHROMIUM	ND	10.0	9.63	96	9.67	97	97	76	116	0.4	20
COBALT	0.400	10.0	9.67	93	9.69	93	93	74	114	0.2	20
COPPER	0.400	10.0	9.67	93	9.65	93	93	73	113	0.2	20
LEAD	ND	10.0	9.67	97	9.71	97	97	74	114	0.4	20
MOLYBDENUM	ND	10.0	9.52	95	9.58	96	96	76	116	0.6	20
NICKEL	0.400	10.0	9.64	92	9.65	93	92	73	113	0.1	20
SILVER	ND	10.0	9.35	94	9.44	94	94	75	115	1.0	20
THALLIUM	ND	10.0	8.65	87	8.99	90	88	72	112	3.9	20
VANADIUM	0.300	10.0	9.69	94	9.72	94	94	74	114	0.3	20
ZINC	0.100	10.0	10.1	100	10.1	100	100	80	120	0.0	20

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection
LCL = Lower Control Limit
UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Quality Assurance Results Summary
for
Clayton Project No. 91110.85

Clayton Lab Number:	9111081-01A	Analytical Method:	EPA7060_7740
Ext./Prep. Method:	EPA3020	Instrument ID:	07467
Date:	11/12/91	Date:	11/13/91
Analyst:	SUE	Time:	1 :
Std. Source:	B 426141/404183	Analyst:	SUE
Sample Matrix/Media:	STLC	Units:	MG/L

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
ARSENIC	0.0900	2.00	1.88	90	1.85	88	89	55	127	1.6	20
SELENIUM	ND	2.00	1.85	93	1.61	81	87	55	121	14	20

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection
LCL = Lower Control Limit
UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Quality Assurance Results Summary
for
Clayton Project No. 91110.85

Clayton Lab Number:	9111085-06A	Analytical Method:	EPA7196
Ext./Prep. Method:	EPA7196	Instrument ID:	07487
Date:	11/08/91	Date:	11/08/91
Analyst:	MCN	Time:	01:
Std. Source:	HACH 23AO	Analyst:	MCN
Sample Matrix/Media:	SOIL	Units:	MG/KG

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
CHROMIUM VI	ND	5.00	5.02	100	5.20	104	102	63	124	3.4	18

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection
LCL = Lower Control Limit
UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Clayton Lab Number:	9111085-01A	Analytical Method:	EPA7470
Ext./Prep. Method:	EPA7470	Instrument ID:	05589
Date:	11/12/91	Date:	11/12/91
Analyst:	SUE	Time:	6 :
Std. Source:	EM MX0399-1	Analyst:	SUE
Sample Matrix/Media:	STLC	Units:	MG/L

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
MERCURY	ND	0.100	0.0980	98	0.0960	96	97	68	123	2.1	20

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection

LCL = Lower Control Limit

UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Clayton ENVIRONMENTAL CONSULTANTS

A Marsh & McLennan Company

REQUEST FOR LABORATORY ANALYTICAL SERVICES

STUDY 37861.00

For Clayton Use Only | Page 1 of 1
Project No.
Batch No. 9111085
Client No.
Date Logged In 11/8/91 | By TS

REPORT RESULTS TO
Name GUY ROMINE | Title
Company CLAYTON | Dept. CEE
Mailing Address
City, State, Zip
Telephone No. | Telefax No. 714-229-4805

SEND INVOICE TO
Purchase Order No. | Client Job No.
Name
Company | Dept.
Address
City, State, Zip

Date Results Required: 11-14-91
Rush Charges Authorized? ☐ Yes ☐ No
Phone Results FAX ☒

Special Instructions: (method, limit of detection, etc.)
SPECIAL BILL SEE MARYANN

* Explanation of Preservative:

Samples are: (check if applicable)
☐ Drinking Water
☐ Collected in the State of New York

ANALYSIS REQUESTED
(Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added. *)

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	MATRIX/ MEDIA	AIR VOLUME (specify units)	Number of Containers	418.1	8240	STLC metals	TTLC metals	COPPER	NICKEL	CR+6				FOR LAB USE ONLY
BH-14-1'	11-7-91	SOIL	NA	1	X	X	X		X	X	X				01A
BH-15-1'															02
BH-15-5'															03
BH-16-1'															04
BH-16-5'															05
BH-17-1'															06
BH-17-5'															07
BH-18-1'															08
BH-18-5'	11-7-91	SOIL	NA	1	X	X	X		X	X	X				09V

CHAIN OF CUSTODY
Relinquished by: G.K. ROMINE | Date/Time 11-7-91
Relinquished by: | Date/Time
Method of Shipment: FED-X

Authorized by: G.K. Romine (Client Signature Must Accompany Request) | Date 11-7-91

Received by: | Date/Time
Received at Lab by: Tuy Salus | Date/Time 11/8/91 10:30A
Sample Condition Upon Receipt ☒ Acceptable ☐ Other (explain)

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

22345 Roethel Drive
Novi, MI 48375
(313) 344-1770

Raritan Center
160 Fieldcrest Ave.
Edison, NJ 08837
(201) 225-6040

400 Chastain Center Blvd., N.W.
Suite 490
Kennesaw, GA 30144
(404) 499-7500

1252 Quarry Lane
Pleasanton, CA 94566
(415) 426-2600

6/90

DISTRIBUTION:
WHITE - Clayton Laboratory
YELLOW - Clayton Accounting
PINK - Client Copy

Western Operations

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(510) 426-2600
Fax (510) 426-0106

Clayton
ENVIRONMENTAL
CONSULTANTS

December 16, 1991

Mr. Guy Romine
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
5785 Corporate Ave., Ste. 150
Cypress, CA 90630

Client Ref. 37861.00
Clayton Project No. 91120.36

Dear Mr. Romine:

Attached is our analytical laboratory report for the samples received on December 5, 1991. A copy of the Chain-of-Custody form acknowledging receipt of these samples is attached.

Please note that any unused portion of the samples will be disposed of 30 days after the date of this report, unless you have requested otherwise.

We appreciate the opportunity to be of assistance to you. If you have any questions, please contact Maryann Gambino, Client Services Supervisor, at (510) 426-2657.

Sincerely,

Michael Lynch for RHP
Ronald H. Peters, CIH
Director, Laboratory Services
Western Operations

RHP/caa
Attachments

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification:	SP-6-N	Date Sampled:	12/03/91
Lab Number:	9112036-01A	Date Received:	12/05/91
Sample Matrix/Media:	SOIL	Date Prepared:	12/06/91
Preparation Method:	EPA 5030	Date Analyzed:	12/06/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002

ND Not detected at or above limit of detection
-- Information not available or not applicable
Results are reported on a wet weight basis, as received

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification:	SP-6-N	Date Sampled:	12/03/91
Lab Number:	9112036-01A	Date Received:	12/05/91
Sample Matrix/Media:	SOIL	Date Prepared:	12/06/91
Preparation Method:	EPA 5030	Date Analyzed:	12/06/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics (continued)			
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004
Tetrachloroethene	127-18-4	ND	0.004
Toluene	108-88-3	ND	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	ND	0.003
p,m-Xylenes	---	ND	0.003
o-Xylene	95-47-6	ND	0.003
Acetone	67-64-1	ND	0.02
2-Butanone	78-93-3	ND	0.02
4-Methyl-2-pentanone	108-10-1	ND	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01

ND Not detected at or above limit of detection
-- Information not available or not applicable
Results are reported on a wet weight basis, as received

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification:	SP-6-N	Date Sampled:	12/03/91
Lab Number:	9112036-01A	Date Received:	12/05/91
Sample Matrix/Media:	SOIL	Date Prepared:	12/06/91
Preparation Method:	EPA 5030	Date Analyzed:	12/06/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics (continued)			
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003
Surrogates		Recovery (%)	QC Limits (%) LCL - UCL
1,2-Dichloroethane-d4	---	118	57 - 163
Toluene-d8	2037-26-5	100	74 - 129
Bromofluorobenzene	460-00-4	100	60 - 132

ND Not detected at or above limit of detection
-- Information not available or not applicable
Results are reported on a wet weight basis, as received

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification:	SP-7-NE	Date Sampled:	12/03/91
Lab Number:	9112036-02A	Date Received:	12/05/91
Sample Matrix/Media:	SOIL	Date Prepared:	12/05/91
Preparation Method:	EPA 5030	Date Analyzed:	12/05/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002

ND Not detected at or above limit of detection
-- Information not available or not applicable
Results are reported on a wet weight basis, as received

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification:	SP-7-NE	Date Sampled:	12/03/91
Lab Number:	9112036-02A	Date Received:	12/05/91
Sample Matrix/Media:	SOIL	Date Prepared:	12/05/91
Preparation Method:	EPA 5030	Date Analyzed:	12/05/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics (continued)			
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004
Tetrachloroethene	127-18-4	0.032	0.004
Toluene	108-88-3	0.005	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	ND	0.003
p,m-Xylenes	---	ND	0.003
o-Xylene	95-47-6	ND	0.003
Acetone	67-64-1	ND	0.02
2-Butanone	78-93-3	ND	0.02
4-Methyl-2-pentanone	108-10-1	ND	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01

ND Not detected at or above limit of detection
-- Information not available or not applicable
Results are reported on a wet weight basis, as received

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification:	SP-7-NE	Date Sampled:	12/03/91
Lab Number:	9112036-02A	Date Received:	12/05/91
Sample Matrix/Media:	SOIL	Date Prepared:	12/05/91
Preparation Method:	EPA 5030	Date Analyzed:	12/05/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics (continued)			
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003
Surrogates		Recovery (%)	QC Limits (%) LCL - UCL
1,2-Dichloroethane-d4	---	124	57 - 163
Toluene-d8	2037-26-5	100	74 - 129
Bromofluorobenzene	460-00-4	92	60 - 132

ND Not detected at or above limit of detection
-- Information not available or not applicable
Results are reported on a wet weight basis, as received

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification:	SP-8-B	Date Sampled:	12/03/91
Lab Number:	9112036-03A	Date Received:	12/05/91
Sample Matrix/Media:	SOIL	Date Prepared:	12/05/91
Preparation Method:	EPA 5030	Date Analyzed:	12/05/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.05
Bromomethane	74-83-9	ND	0.02
Vinyl chloride	75-01-4	ND	0.02
Chloroethane	75-00-3	ND	0.02
Methylene chloride	75-09-2	ND	0.05
Trichlorofluoromethane	75-69-4	ND	0.02
1,1-Dichloroethene	75-35-4	ND	0.02
1,1-Dichloroethane	75-35-3	ND	0.02
Trans-1,2-Dichloroethene	156-60-5	ND	0.02
Cis-1,2-Dichloroethene	156-59-2	0.13	0.02
Chloroform	67-66-3	ND	0.02
1,2-Dichloroethane	107-06-2	ND	0.02
1,1,1-Trichloroethane	71-55-6	ND	0.02
Carbon tetrachloride	56-23-5	ND	0.02
Bromodichloromethane	75-27-4	ND	0.02
1,2-Dichloropropane	78-87-5	ND	0.02
Cis-1,3-Dichloropropene	10061-01-5	ND	0.02
Trichloroethene	79-01-6	0.41	0.02
Benzene	71-43-2	ND	0.01
Dibromochloromethane	124-48-1	ND	0.01

ND Not detected at or above limit of detection
-- Information not available or not applicable
Results are reported on a wet weight basis, as received

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification:	SP-8-B	Date Sampled:	12/03/91
Lab Number:	9112036-03A	Date Received:	12/05/91
Sample Matrix/Media:	SOIL	Date Prepared:	12/05/91
Preparation Method:	EPA 5030	Date Analyzed:	12/05/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection [a] (mg/kg)
Purgeable Organics (continued)			
1,1,2-Trichloroethane	79-00-5	ND	0.02
Trans-1,3-Dichloropropene	10061-02-6	ND	0.03
2-Chloroethylvinylether	100-75-8	ND	0.02
Bromoform	75-25-2	ND	0.02
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.02
Tetrachloroethene	127-18-4	1.2	0.02
Toluene	108-88-3	0.02	0.01
Chlorobenzene	108-90-7	ND	0.02
Ethylbenzene	100-41-4	ND	0.02
1,3-Dichlorobenzene	541-73-7	ND	0.02
1,2-Dichlorobenzene	95-50-1	ND	0.02
1,4-Dichlorobenzene	106-46-7	ND	0.02
Freon 113	76-13-1	ND	0.02
p,m-Xylenes	---	ND	0.02
o-Xylene	95-47-6	ND	0.02
Acetone	67-64-1	ND	0.1
2-Butanone	78-93-3	ND	0.1
4-Methyl-2-pentanone	108-10-1	ND	0.1
2-Hexanone	591-78-6	ND	0.1
Vinyl acetate	108-05-4	ND	0.05

ND Not detected at or above limit of detection
-- Information not available or not applicable
Results are reported on a wet weight basis, as received

[a] Detection limits increased due to dilution necessary for quantitation

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification:	SP-8-B	Date Sampled:	12/03/91
Lab Number:	9112036-03A	Date Received:	12/05/91
Sample Matrix/Media:	SOIL	Date Prepared:	12/05/91
Preparation Method:	EPA 5030	Date Analyzed:	12/05/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection [a] (mg/kg)
Purgeable Organics (continued)			
Carbon disulfide	75-15-0	ND	0.02
Styrene	100-42-5	ND	0.02
Surrogates		**Recovery (%)**	**QC Limits (%) LCL - UCL**
1,2-Dichloroethane-d4	---	122	57 - 163
Toluene-d8	2037-26-5	91	74 - 129
Bromofluorobenzene	460-00-4	86	60 - 132

ND Not detected at or above limit of detection
-- Information not available or not applicable
Results are reported on a wet weight basis, as received

[a] Detection limits increased due to dilution necessary for quantitation

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification:	SP-9-NW	Date Sampled:	12/03/91
Lab Number:	9112036-04A	Date Received:	12/05/91
Sample Matrix/Media:	SOIL	Date Prepared:	12/05/91
Preparation Method:	EPA 5030	Date Analyzed:	12/05/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002

ND Not detected at or above limit of detection
-- Information not available or not applicable
Results are reported on a wet weight basis, as received

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification:	SP-9-NW	Date Sampled:	12/03/91
Lab Number:	9112036-04A	Date Received:	12/05/91
Sample Matrix/Media:	SOIL	Date Prepared:	12/05/91
Preparation Method:	EPA 5030	Date Analyzed:	12/05/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics (continued)			
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004
Tetrachloroethene	127-18-4	ND	0.004
Toluene	108-88-3	ND	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	ND	0.003
p,m-Xylenes	---	ND	0.003
o-Xylene	95-47-6	ND	0.003
Acetone	67-64-1	ND	0.02
2-Butanone	78-93-3	ND	0.02
4-Methyl-2-pentanone	108-10-1	ND	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01

ND Not detected at or above limit of detection
-- Information not available or not applicable
Results are reported on a wet weight basis, as received

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification:	SP-9-NW	Date Sampled:	12/03/91
Lab Number:	9112036-04A	Date Received:	12/05/91
Sample Matrix/Media:	SOIL	Date Prepared:	12/05/91
Preparation Method:	EPA 5030	Date Analyzed:	12/05/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics (continued)			
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003
Surrogates		Recovery (%)	QC Limits (%) LCL UCL
1,2-Dichloroethane-d4	---	124	57 - 163
Toluene-d8	2037-26-5	96	74 - 129
Bromofluorobenzene	460-00-4	98	60 - 132

ND Not detected at or above limit of detection
-- Information not available or not applicable
Results are reported on a wet weight basis, as received

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9112036-05A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Prepared:	12/05/91
Preparation Method:	EPA 5030	Date Analyzed:	12/05/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics			
Chloromethane	74-87-3	ND	0.01
Bromomethane	74-83-9	ND	0.004
Vinyl chloride	75-01-4	ND	0.004
Chloroethane	75-00-3	ND	0.004
Methylene chloride	75-09-2	ND	0.01
Trichlorofluoromethane	75-69-4	ND	0.003
1,1-Dichloroethene	75-35-4	ND	0.003
1,1-Dichloroethane	75-35-3	ND	0.003
Trans-1,2-Dichloroethene	156-60-5	ND	0.003
Cis-1,2-Dichloroethene	156-59-2	ND	0.003
Chloroform	67-66-3	ND	0.003
1,2-Dichloroethane	107-06-2	ND	0.003
1,1,1-Trichloroethane	71-55-6	ND	0.003
Carbon tetrachloride	56-23-5	ND	0.003
Bromodichloromethane	75-27-4	ND	0.003
1,2-Dichloropropane	78-87-5	ND	0.003
Cis-1,3-Dichloropropene	10061-01-5	ND	0.003
Trichloroethene	79-01-6	ND	0.004
Benzene	71-43-2	ND	0.002
Dibromochloromethane	124-48-1	ND	0.002

ND Not detected at or above limit of detection
-- Information not available or not applicable
Results are reported on a wet weight basis, as received

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9112036-05A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Prepared:	12/05/91
Preparation Method:	EPA 5030	Date Analyzed:	12/05/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics (continued)			
1,1,2-Trichloroethane	79-00-5	ND	0.003
Trans-1,3-Dichloropropene	10061-02-6	ND	0.005
2-Chloroethylvinylether	100-75-8	ND	0.003
Bromoform	75-25-2	ND	0.003
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.004
Tetrachloroethene	127-18-4	ND	0.004
Toluene	108-88-3	ND	0.002
Chlorobenzene	108-90-7	ND	0.003
Ethylbenzene	100-41-4	ND	0.003
1,3-Dichlorobenzene	541-73-7	ND	0.003
1,2-Dichlorobenzene	95-50-1	ND	0.003
1,4-Dichlorobenzene	106-46-7	ND	0.003
Freon 113	76-13-1	ND	0.003
p,m-Xylenes	---	ND	0.003
o-Xylene	95-47-6	ND	0.003
Acetone	67-64-1	ND	0.02
2-Butanone	78-93-3	ND	0.02
4-Methyl-2-pentanone	108-10-1	ND	0.02
2-Hexanone	591-78-6	ND	0.02
Vinyl acetate	108-05-4	ND	0.01

ND Not detected at or above limit of detection
-- Information not available or not applicable
Results are reported on a wet weight basis, as received

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9112036-05A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Prepared:	12/05/91
Preparation Method:	EPA 5030	Date Analyzed:	12/05/91
Analytical Method:	EPA 8240 (Low Level)		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Organics (continued)			
Carbon disulfide	75-15-0	ND	0.003
Styrene	100-42-5	ND	0.003
Surrogates		**Recovery (%)**	**QC Limits (%) LCL UCL**
1,2-Dichloroethane-d4	---	114	57 - 163
Toluene-d8	2037-26-5	96	74 - 129
Bromofluorobenzene	460-00-4	94	60 - 132

ND Not detected at or above limit of detection
-- Information not available or not applicable
Results are reported on a wet weight basis, as received

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification: SP-6-N
Lab Number: 9112036-01A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: 12/03/91
Date Received: 12/05/91
Date Extracted: 12/09/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
12/10/91	6010	Antimony	<0.1	15	0.1
12/13/91	7060	Arsenic	<0.05	5.0	0.05
12/10/91	6010	Barium	4.5	100	0.1
12/10/91	6010	Beryllium	<0.05	0.75	0.05
12/10/91	6010	Cadmium	<0.05	1.0	0.05
12/10/91	6010	Chromium	<0.1	560	0.1
12/10/91	6010	Cobalt	0.5	80	0.1
12/10/91	6010	Copper	0.3	25	0.1
12/10/91	6010	Lead	<0.1	5.0	0.1
12/12/91	7470	Mercury	<0.01	0.2	0.01
12/10/91	6010	Molybdenum	<0.1	350	0.1
12/10/91	6010	Nickel	0.5	20	0.1
12/13/91	7740	Selenium	<0.1	1.0	0.1 [a]
12/10/91	6010	Silver	<0.1	5	0.1
12/10/91	6010	Thallium	<0.2	7.0	0.2
12/10/91	6010	Vanadium	0.4	24	0.1
12/10/91	6010	Zinc	0.2	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

[a] Detection limit increased due to matrix interference

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification:	SP-7-NE	Date Sampled:	12/03/91
Lab Number:	9112036-02A	Date Received:	12/05/91
Sample Matrix/Media:	SOIL	Date Extracted:	12/09/91
Extraction Method:	22CAC66700	Date Analyzed:	See below
Analytical Method:	See below		

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
12/10/91	6010	Antimony	<0.1	15	0.1
12/13/91	7060	Arsenic	<0.05	5.0	0.05
12/10/91	6010	Barium	3.5	100	0.1
12/10/91	6010	Beryllium	<0.05	0.75	0.05
12/10/91	6010	Cadmium	<0.05	1.0	0.05
12/10/91	6010	Chromium	<0.1	560	0.1
12/10/91	6010	Cobalt	0.4	80	0.1
12/10/91	6010	Copper	0.1	25	0.1
12/10/91	6010	Lead	<0.1	5.0	0.1
12/12/91	7470	Mercury	<0.01	0.2	0.01
12/10/91	6010	Molybdenum	0.2	350	0.1
12/10/91	6010	Nickel	0.5	20	0.1
12/13/91	7740	Selenium	<0.1	1.0	0.1 [a]
12/10/91	6010	Silver	<0.1	5	0.1
12/10/91	6010	Thallium	<0.2	7.0	0.2
12/10/91	6010	Vanadium	0.4	24	0.1
12/10/91	6010	Zinc	0.1	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

[a] Detection limit increased due to matrix interference

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification: SP-8-B
Lab Number: 9112036-03A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: 12/03/91
Date Received: 12/05/91
Date Extracted: 12/09/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
12/10/91	6010	Antimony	<0.1	15	0.1
12/13/91	7060	Arsenic	<0.05	5.0	0.05
12/10/91	6010	Barium	2.8	100	0.1
12/10/91	6010	Beryllium	<0.05	0.75	0.05
12/10/91	6010	Cadmium	<0.05	1.0	0.05
12/10/91	6010	Chromium	<0.1	560	0.1
12/10/91	6010	Cobalt	1.3	80	0.1
12/10/91	6010	Copper	0.2	25	0.1
12/10/91	6010	Lead	<0.1	5.0	0.1
12/12/91	7470	Mercury	<0.01	0.2	0.01
12/10/91	6010	Molybdenum	0.1	350	0.1
12/10/91	6010	Nickel	0.6	20	0.1
12/13/91	7740	Selenium	<0.1	1.0	0.1 [a]
12/10/91	6010	Silver	<0.1	5	0.1
12/10/91	6010	Thallium	<0.2	7.0	0.2
12/10/91	6010	Vanadium	0.4	24	0.1
12/10/91	6010	Zinc	1.1	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

[a] Detection limit increased due to matrix interference

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification:	SP-9-NW	Date Sampled:	12/03/91
Lab Number:	9112036-04A	Date Received:	12/05/91
Sample Matrix/Media:	SOIL	Date Extracted:	12/09/91
Extraction Method:	22CAC66700	Date Analyzed:	See below
Analytical Method:	See below		

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
12/10/91	6010	Antimony	<0.1	15	0.1
12/13/91	7060	Arsenic	<0.05	5.0	0.05
12/10/91	6010	Barium	3.8	100	0.1
12/10/91	6010	Beryllium	<0.05	0.75	0.05
12/10/91	6010	Cadmium	<0.05	1.0	0.05
12/10/91	6010	Chromium	<0.1	560	0.1
12/10/91	6010	Cobalt	0.4	80	0.1
12/10/91	6010	Copper	0.2	25	0.1
12/10/91	6010	Lead	<0.1	5.0	0.1
12/12/91	7470	Mercury	<0.01	0.2	0.01
12/10/91	6010	Molybdenum	<0.1	350	0.1
12/10/91	6010	Nickel	0.4	20	0.1
12/13/91	7740	Selenium	<0.1	1.0	0.1 [a]
12/10/91	6010	Silver	<0.1	5	0.1
12/10/91	6010	Thallium	<0.2	7.0	0.2
12/10/91	6010	Vanadium	0.4	24	0.1
12/10/91	6010	Zinc	0.1	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

[a] Detection limit increased due to matrix interference

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification: METHOD BLANK
Lab Number: 9112036-05A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: --
Date Received: --
Date Extracted: 12/09/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
12/10/91	6010	Antimony	<0.1	15	0.1
12/13/91	7060	Arsenic	<0.05	5.0	0.05
12/10/91	6010	Barium	<0.1	100	0.1
12/10/91	6010	Beryllium	<0.05	0.75	0.05
12/10/91	6010	Cadmium	<0.05	1.0	0.05
12/10/91	6010	Chromium	<0.1	560	0.1
12/10/91	6010	Cobalt	<0.1	80	0.1
12/10/91	6010	Copper	<0.1	25	0.1
12/10/91	6010	Lead	<0.1	5.0	0.1
12/12/91	7470	Mercury	<0.01	0.2	0.01
12/10/91	6010	Molybdenum	<0.1	350	0.1
12/10/91	6010	Nickel	<0.1	20	0.1
12/13/91	7740	Selenium	<0.05	1.0	0.05
12/10/91	6010	Silver	<0.1	5	0.1
12/10/91	6010	Thallium	<0.2	7.0	0.2
12/10/91	6010	Vanadium	<0.1	24	0.1
12/10/91	6010	Zinc	<0.1	250	0.1

< Less than, below limit of detection
-- Information not available or not applicable

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification: SP-6-N
Lab Number: 9112036-01
Sample Matrix/Media: SOIL

Date Sampled: 12/03/91
Date Received: 12/05/91

Analyte	Concentration	Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Analysis Method
Copper	34	1	mg/kg	12/12/91	12/13/91	EPA 3050	EPA 6010
Hexavalent Chromium	<0.1	0.1	mg/kg	--	12/06/91	--	EPA 7196
Nickel	23	1	mg/kg	12/12/91	12/13/91	EPA 3050	EPA 6010
TRPH*	<10	10	mg/kg	12/06/91	12/09/91	--	EPA 418.1(Mod.

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

*Total Recoverable Petroleum Hydrocarbons

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification: SP-7-NE
Lab Number: 9112036-02
Sample Matrix/Media: SOIL

Date Sampled: 12/03/91
Date Received: 12/05/91

Analyte	Concentration	Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Analysis Method
Copper	25	1	mg/kg	12/12/91	12/13/91	EPA 3050	EPA 6010
Hexavalent Chromium	<0.1	0.1	mg/kg	--	12/06/91	--	EPA 7196
Nickel	18	1	mg/kg	12/12/91	12/13/91	EPA 3050	EPA 6010
TRPH*	<10	10	mg/kg	12/06/91	12/09/91	--	EPA 418.1(Mod.

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

*Total Recoverable Petroleum Hydrocarbons

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification: SP-8-B
Lab Number: 9112036-03
Sample Matrix/Media: SOIL

Date Sampled: 12/03/91
Date Received: 12/05/91

Analyte	Concentration	Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Analysis Method
Copper	30	1	mg/kg	12/12/91	12/13/91	EPA 3050	EPA 6010
Hexavalent Chromium	<0.1	0.1	mg/kg	--	12/06/91	--	EPA 7196
Nickel	26	1	mg/kg	12/12/91	12/13/91	EPA 3050	EPA 6010
TRPH*	5,600	10	mg/kg	12/06/91	12/09/91	--	EPA 418.1(Mod

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

*Total Recoverable Petroleum Hydrocarbons

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification: SP-9-NW
Lab Number: 9112036-04
Sample Matrix/Media: SOIL

Date Sampled: 12/03/91
Date Received: 12/05/91

Analyte	Concentration	Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Analysis Method
Copper	32	1	mg/kg	12/12/91	12/13/91	EPA 3050	EPA 6010
Hexavalent Chromium	<0.1	0.1	mg/kg	--	12/06/91	--	EPA 7196
Nickel	21	1	mg/kg	12/12/91	12/13/91	EPA 3050	EPA 6010
TRPH*	<10	10	mg/kg	12/06/91	12/09/91	--	EPA 418.1(Mod.

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

*Total Recoverable Petroleum Hydrocarbons

Results of Analysis
for
Stoody Industry

Client Reference: 37861.00
Clayton Project No. 91120.36

Sample Identification: METHOD BLANK
Lab Number: 9112036-05
Sample Matrix/Media: SOIL

Date Sampled: --
Date Received: --

Analyte	Concentration	Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Analysis Method
Copper	<1	1	mg/kg	12/12/91	12/13/91	EPA 3050	EPA 6010
Hexavalent Chromium	<0.1	0.1	mg/kg	--	12/06/91	--	EPA 7196
Nickel	<1	1	mg/kg	12/12/91	12/13/91	EPA 3050	EPA 6010
TRPH*	<10	10	mg/kg	12/06/91	12/09/91	--	EPA 418.1(Mod.

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

*Total Recoverable Petroleum Hydrocarbons

Quality Assurance Results Summary
for
Clayton Project No. 91120.36

Clayton Lab Number:	9112036-01A	Analytical Method:	EPA8240
Ext./Prep. Method:		Instrument ID:	02831
Date:	/ /	Date:	12/05/91
Analyst:		Time:	12:00
Std. Source:	M911101-02W	Analyst:	PH
Sample Matrix/Media:	SOIL	Units:	MG/KG

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
1,1-DICHLOROETHENE	ND	0.0500	0.0550	110	0.0550	110	110	14	203	0.0	29
BENZENE	ND	0.0500	0.0540	108	0.0570	114	111	60	138	5.4	17
CHLOROBENZENE	ND	0.0500	0.0560	112	0.0550	110	111	72	133	1.8	21
TOLUENE	ND	0.0500	0.0660	132	0.0600	120	126	68	132	9.5	15
TRICHLOROETHENE	ND	0.0500	0.0530	106	0.0510	102	104	64	127	3.8	23

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection
LCL = Lower Control Limit
UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Quality Assurance Results Summary
for
Clayton Project No. 91120.36

Clayton Lab Number: 9112036-01A
Ext./Prep. Method:
Date: / /
Analyst:
Std. Source: M911101-02W
Sample Matrix/Media: SOIL

Analytical Method: EPA8240
Instrument ID: 02831
Date: 12/06/91
Time: 12:44
Analyst: PF
Units: MG/KG

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
1,1-DICHLOROETHENE	ND	0.0500	0.0520	104	0.0530	106	105	14	203	1.9	29
BENZENE	ND	0.0500	0.0540	108	0.0550	110	109	60	138	1.8	17
CHLOROBENZENE	ND	0.0500	0.0550	110	0.0570	114	112	72	133	3.6	21
TOLUENE	ND	0.0500	0.0580	116	0.0630	126	121	68	132	8.3	15
TRICHLOROETHENE	ND	0.0500	0.0510	102	0.0530	106	104	64	127	3.8	23

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection
LCL = Lower Control Limit
UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Quality Assurance Results Summary
for
Clayton Project No. 91120.36

Clayton Lab Number:	9112026-01A	Analytical Method:	EPA6010
Ext./Prep. Method:	EPA3010	Instrument ID:	03891
Date:	12/09/91	Date:	12/10/91
Analyst:	JSL	Time:	2 :
Std. Source:	VHG10140	Analyst:	JSL
Sample Matrix/Media:	STLC	Units:	MG/L

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
ANTIMONY	ND	10.0	9.69	97	9.80	98	97	76	116	1.1	20
BARIUM	5.70	10.0	15.3	96	15.5	98	97	73	113	1.3	20
BERYLLIUM	ND	10.0	9.83	98	9.91	99	99	73	113	0.8	20
CADMIUM	ND	10.0	9.59	96	9.64	96	96	76	116	0.5	20
CHROMIUM	ND	10.0	9.97	100	10.1	101	100	76	116	1.3	20
COBALT	0.200	10.0	9.82	96	9.90	97	97	74	114	0.8	20
COPPER	0.200	10.0	9.81	96	9.90	97	97	73	113	0.9	20
LEAD	ND	10.0	9.77	98	9.84	98	98	74	114	0.7	20
MOLYBDENUM	ND	10.0	9.57	96	9.64	96	96	76	116	0.7	20
NICKEL	0.300	10.0	9.73	94	9.79	95	95	73	113	0.6	20
SILVER	ND	10.0	9.56	96	9.67	97	96	75	115	1.1	20
THALLIUM	ND	10.0	9.25	93	9.51	95	94	72	112	2.8	20
VANADIUM	0.100	10.0	9.82	97	9.90	98	98	74	114	0.8	20
ZINC	0.200	10.0	10.3	101	10.4	102	102	80	120	1.0	20

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection
LCL = Lower Control Limit
UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Quality Assurance Results Summary
for
Clayton Project No. 91120.36

Clayton Lab Number:	9112028-01C	Analytical Method:	EPA7060_7740
Ext./Prep. Method:	EPA3010	Instrument ID:	07467
Date:	12/12/91	Date:	12/13/91
Analyst:	JL	Time:	7 :
Std. Source:	121291	Analyst:	DS
Sample Matrix/Media:	STLC	Units:	MG/L

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
ARSENIC	ND	0.200	0.186	93	0.198	99	96	55	127	6.7	20
SELENIUM	ND	0.400	0.160	40	0.153	38	39*	55	121	4.7	20

Note: Selenium MS/MSD recoveries out of control limits, please see the post-spike QA.

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection
LCL = Lower Control Limit
UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Quality Assurance Results Summary
for
Clayton Project No. 91120.36

Clayton Lab Number:	9112028-01C	Analytical Method:	EPA7060 7740
Ext./Prep. Method:	EPA3010	Instrument ID:	07467
Date:	12/12/91	Date:	12/13/91
Analyst:	JL	Time:	7 :
Std. Source:	121291	Analyst:	DS
Sample Matrix/Media:	STLC	Units:	MG/L

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
SELENIUM	ND	0.800	0.812	101	0.761	95	98	55	121	6.4	20

Note: Post-spike for Se

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection

LCL = Lower Control Limit

UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Quality Assurance Results Summary
for
Clayton Project No. 91120.36

Clayton Lab Number:	9112036-01A	Analytical Method:	EPA7470
Ext./Prep. Method:	EPA7470	Instrument ID:	05583
Date:	12/11/91	Date:	12/12/91
Analyst:	HYW	Time:	3 :
Std. Source:	EM MX 0399-1	Analyst:	HYW
Sample Matrix/Media:	STLC	Units:	MG/L

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
MERCURY	ND	0.100	0.102	102	0.104	104	103	68	123	1.9	20

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection

LCL = Lower Control Limit

UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Quality Assurance Results Summary
for
Clayton Project No. 91120.36

Clayton Lab Number:	9112036-01A	Analytical Method:	EPA6010
Ext./Prep. Method:	3050	Instrument ID:	03891
Date:	12/12/91	Date:	12/13/91
Analyst:	JL	Time:	5 :
Std. Source:	VHG10140	Analyst:	DS
Sample Matrix/Media:	SOIL	Units:	MG/KG

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
ALUMINUM	11,600	50.0	12,900	SOR	13,000	SOR	SOR	75	125	0.7	25
ANTIMONY	ND	50.0	45.7	91	45.2	90	91	47	127	1.0	25
ARSENIC	1.28	50.0	45.7	89	44.9	87	88	73	114	1.8	25
BARIUM	151	50.0	192	81	187	72	77	47	156	2.4	25
BERYLLIUM	0.450	50.0	45.9	91	48.9	97	94	76	112	6.4	25
CADMIUM	0.388	50.0	46.9	93	46.6	92	93	81	111	0.6	25
CALCIUM	5,030	50.0	5,140	SOR	5,320	SOR	SOR	75	125	3.5	25
COPPER	34.0	50.0	87.0	106	87.8	108	107	70	129	0.9	25
IRON	22,300	50.0	23,000	SOR	23,200	SOR	SOR	75	125	0.9	25
LEAD	22.4	50.0	70.5	96	69.4	94	95	66	121	1.5	25
MAGNESIUM	6,460	50.0	6,680	SOR	6,740	SOR	SOR	75	125	1.0	25
MANGANESE	288	50.0	338	SOR	338	SOR	SOR	75	125	0.0	25
MOLYBDENUM	5.03	50.0	37.4	65	37.1	64	64*	65	117	0.7	25
NICKEL	22.6	50.0	66.7	88	69.8	94	91	59	130	4.5	25
POTASSIUM	3,430	500	3,970	SOR	3,990	SOR	SOR	75	125	0.6	25
SELENIUM	ND	50.0	32.8	66	33.4	67	66	63	120	1.7	25
SILVER	ND	50.0	50.4	101	49.8	100	100	80	115	1.3	25
SODIUM	637	50.0	680	SOR	687	SOR	SOR	75	125	1.0	25
THALLIUM	ND	50.0	43.6	87	43.2	86	87	67	109	1.0	25
VANADIUM	35.9	50.0	85.5	99	84.8	98	98	72	124	0.8	25
ZINC	59.8	50.0	110	100	114	109	105	62	139	4.3	25

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection
LCL = Lower Control Limit
UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Quality Assurance Results Summary
for
Clayton Project No. 91120.36

Clayton Lab Number:	9112036-01A	Analytical Method:	EPA6010
Ext./Prep. Method:	3050	Instrument ID:	03891
Date:	12/12/91	Date:	12/13/91
Analyst:	JL	Time:	5 :
Std. Source:	VHG15140	Analyst:	DS
Sample Matrix/Media:	SOIL	Units:	MG/KG

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
COPPER	34.0	50.0	87.0	106	87.8	108	107	70	129	0.9	25
NICKEL	22.6	50.0	66.7	88	69.8	94	91	59	130	4.5	25

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection
LCL = Lower Control Limit
UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Quality Assurance Results Summary
for
Clayton Project No. 91120.36

Clayton Lab Number: 9112036-02A
Ext./Prep. Method:
Date: / /
Analyst:
Std. Source: HACH 23AO
Sample Matrix/Media: SOIL

Analytical Method: EPA7196
Instrument ID. 07487
Date: 12/06/91
Time: 2 :
Analyst: HYW
Units: MG/KG

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
CHROMIUM VI	ND	5.00	4.94	99	4.93	99	99	66	124	0.2	25

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection

LCL = Lower Control Limit

UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Quality Assurance Results Summary
for
Clayton Project No. 91120.36

Clayton Lab Number:	9112036-04A	Analytical Method:	EPA418_1
Ext./Prep. Method:	EPA418_1	Instrument ID:	07434
Date:	12/06/91	Date:	12/09/91
Analyst:	CM	Time:	10:00
Std. Source:	E911022-03W	Analyst:	AM
Sample Matrix/Media:	SOIL	Units:	MG/KG

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
TOTAL PETROLEUM HYDROCARBONS	ND	1,280	1,270	99	1,330	104	101	77	122	4.6	20

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection
LCL = Lower Control Limit
UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Clayton
ENVIRONMENTAL
CONSULTANTS
A Marsh & McLennan Company

REQUEST FOR LABORATORY ANALYTICAL SERVICES

STODDY 37861.0

For Clayton Use Only	Page 1 of 1
Project No.	
Batch No.	9112036
Client No.	
Date Received	12/5/91 By TS
Date Logged In	NJ By NJ

Purchase Order No. | Client Job No.

SEND INVOICE TO
Name: GUY ROMINE
Company: CLAYTON | Dept.: CEE
Address:
City, State, Zip:

REPORT RESULTS TO
Name: SAME | Title:
Company | Dept.
Mailing Address:
City, State, Zip:
Telephone No. | Telefax No.

Date Results Required:

Rush Charges Authorized? ☐ Yes ☒ No

Special Instructions: (method, limit of detection, phone results, rush results, etc.)
FAX RESULTS
* Explanation of Preservative:

ANALYSIS REQUESTED
(Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added*)

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	MATRIX/ MEDIA	AIR VOLUME (specify units)	Number of Containers	418.1	8240	STLC METALS	TTLC METALS	COPPER	NICKEL	CR+6				FOR LAB USE ONLY
SP-6-N	12-3-91	SOIL	2"x3"	1	X	X	X		X	X	X				01 A
SP-7-NE	"	"	"	1	"	"	"		"	"	"				02
SP-8-B				1	"	"	"		"	"	"				03
SP-9-NW	12-3-91	SOIL	2x3	1	X	X	X		X	X	X				04

CHAIN OF CUSTODY (If required)
Relinquished by: G.K. ROMINE | Date/Time 12-4-91
Relinquished by: | Date/Time
Method of Shipment:

Authorized by: G.K.R-O Date 12-14-91
(Client Signature Must Accompany Request)

Received by:
Received at lab by: Judy Stalin- | Date/Time 1030 12/5/91
Sample condition upon receipt: COOL

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

22345 Roethel Drive
Novi, MI 48050
(313) 344-1770

Raritan Center
160 Fieldcrest Ave.
Edison, NJ 08837
(201) 225-6040

400 Chastain Center Blvd., N.W.
Suite 490
Kennesaw, GA 30144
(404) 499-7500

1252 Quarry Lane
Pleasanton, CA 94566
(415) 426-2600

DISTRIBUTION:
WHITE - Clayton Laboratory
YELLOW - Clayton Accounting
PINK - Client Retains

7/89 20K

APPENDIX D

BOREHOLE LOGS

LOG OF EXPLORATORY BORING

Project No.: 37861.00 | Date: 11/6/91
Client: Stoody
Location: 16425 Gale Avenue
Logged By: G. Romine | Driller: G. Romine

BORING NO. BH-14

Sheet 1 of 1

Field Location of Boring:

Chemical waste barrel storage area

Ground Elevation: **Datum:**

Drilling Method: Hand auger

Hole Diameter:

Casing Installation Data:

Drilling Rate (ft/min)	Blow Counts	DEPTH	SAMPLE	Soil Group Symbol (uscs)	Litho-graphic Symbol	DESCRIPTION
		4"				Asphalt Pavement
		6"	AU	SP		SAND FILL: Light brown, poorly sorted, earthy odor.
	ND	1'	DS	ML		CLAYEY SILT: Dark brown, moist, earthy odor.
		2'				
		3'				
		4'				
	ND	5'	DS	ML		SANDY SILT: Light brown, 75% silt, 25% fine sand, slightly moist,
						earthy odor.
		6'				Total depth 6 feet.
						AU: Auger cuttings
		7'				DS: Drive sample
		8'				
		9'				
		10'				
		11'				
		12'				
		13'				
		14'				
		15'				

Water Level | Time | Date

BORING.LOG

LOG OF EXPLORATORY BORING

Project No.: 37861.00 Date: 11/6/91
Client: Stoody
Location: 16425 Gale Avenue
Logged By: G. Romine Driller: G. Romine

BORING NO. BH-15

Sheet 1 of 1

Field Location of Boring:

Chemical waste barrel storage area

Ground Elevation: **Datum:**

Drilling Method: Hand auger

Hole Diameter:

Casing Installation Data:

Water Level												
Time												
Date												

Drilling Rate (ft/min)	Blow Counts	DEPTH	SAMPLE	Soil Group Symbol (uscs)	Litho-graphic Symbol	DESCRIPTION
		4"				Asphalt Pavement
		6"	AU	SP		SAND FILL: Light brown, poorly sorted, earthy odor.
	ND	1'	DS	ML		CLAYEY SILT: Dark brown, moist, earthy odor.
		2'				
		3'				
		4'				
	ND	5'	DS	ML		SANDY SILT: Light brown, 75% silt, 25% fine sand, slightly moist,
						earthy odor.
		6'				Total depth 6 feet.
						AU: Auger cuttings
		7'				DS: Drive sample
		8'				
		9'				
		10'				
		11'				
		12'				
		13'				
		14'				
		15'				

LOG OF EXPLORATORY BORING

Project No.: 37861.00 **Date:** 11/6/91
Client: Stoody
Location: 16425 Gale Avenue
Logged By: G. Romine **Driller:** G. Romine

BORING NO. BH-16

Sheet 1 of 1

Field Location of Boring:

Chemical waste barrel storage area

Ground Elevation: **Datum:**

Drilling Method: Hand auger

Hole Diameter:

Casing Installation Data:

Drilling Rate (ft/min)	Blow Counts	DEPTH	SAMPLE	Soil Group Symbol (uscs)	Litho-graphic Symbol	DESCRIPTION
						Water Level / Time / Date
		4"				Asphalt Pavement
		6"	AU	SP		SAND FILL: Light brown, poorly sorted, earthy odor.
	ND	1'	DS	ML		CLAYEY SILT: Dark brown, moist, earthy odor.
		2'				
		3'				
		4'				
	ND	5'	DS	ML		SANDY SILT: Light brown, 75% silt, 25% fine sand, slightly moist, earthy odor.
		6'				Total depth 6 feet.
		7'				AU: Auger cuttings
		8'				DS: Drive sample
		9'				
		10'				
		11'				
		12'				
		13'				
		14'				
		15'				

LOG OF EXPLORATORY BORING

Project No.: 37861.00 Date: 11/6/91
Client: Stoody
Location: 16425 Gale Avenue
Logged By: G. Romine Driller: G. Romine

BORING NO. BH-17

Sheet 1 of 1

Field Location of Boring:

Chemical waste barrel storage area

Ground Elevation: **Datum:**

Drilling Method: Hand auger

Hole Diameter:

Casing Installation Data:

Drilling Rate (ft/min)	Blow Counts	DEPTH	SAMPLE	Soil Group Symbol (uscs)	Litho-graphic Symbol	Water Level / Time / Date						
		4"				DESCRIPTION						
		6"	AU	SP		Asphalt Pavement						
	ND	1'	DS	ML		SAND FILL: Light brown, poorly sorted, earthy odor.						
						CLAYEY SILT: Dark brown, moist, earthy odor.						
		2'										
		3'										
		4'										
	ND	5'	DS	ML		SANDY SILT: Light brown, 75% silt, 25% fine sand, slightly moist, earthy odor.						
		6'				Total depth 5.5 feet.						
						AU: Auger cuttings						
		7'				DS: Drive sample						
		8'										
		9'										
		10'										
		11'										
		12'										
		13'										
		14'										
		15'										

LOG OF EXPLORATORY BORING

Project No.: 37861.00
Client: Stoody
Location: 16425 Gale Avenue
Logged By: G. Romine
Date: 11/6/91
Driller: G. Romine

BORING NO. BH-18

Sheet 1 of 1

Field Location of Boring:

Chemical waste barrel storage area

Ground Elevation: **Datum:**

Drilling Method: Hand auger

Hole Diameter:

Casing Installation Data:

Water Level												
Time												
Date												

Drilling Rate (ft/min)	Blow Counts	DEPTH	SAMPLE	Soil Group Symbol (uscs)	Litho-graphic Symbol	DESCRIPTION
		4"				Asphalt Pavement
		6"	AU	SP		SAND FILL: Light brown, poorly sorted, earthy odor.
	ND	1'	DS	ML		CLAYEY SILT: Dark brown, moist, earthy odor.
		2'				
		3'				
		4'				
	ND	5'	DS	ML		SANDY SILT: Light brown, 75% silt, 25% fine sand, slightly moist,
						earthy odor.
		6'				Total depth 6 feet.
						AU: Auger cuttings
		7'				DS: Drive sample
		8'				
		9'				
		10'				
		11'				
		12'				
		13'				
		14'				
		15'				